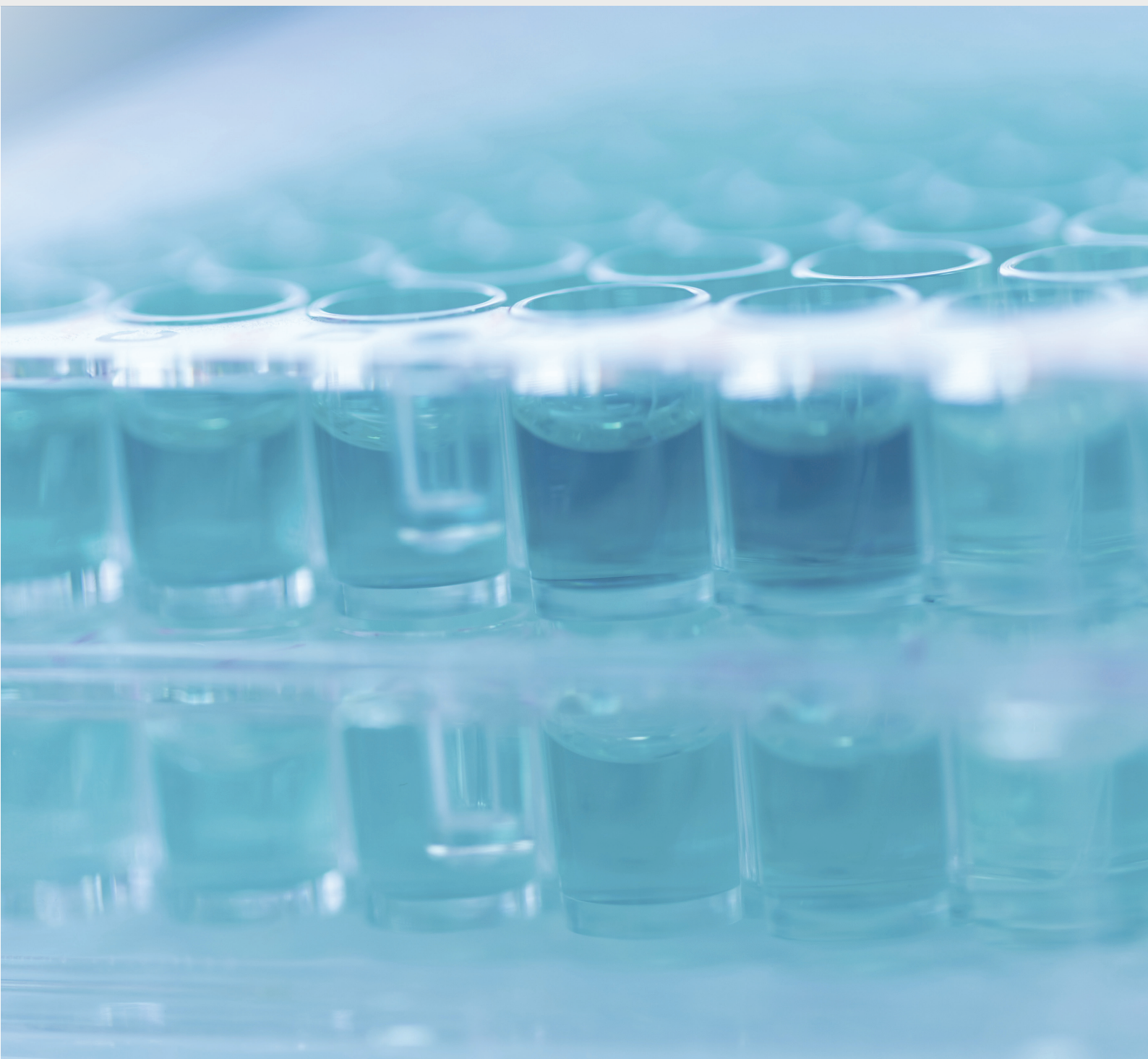




Assay Kits

Flexible Formats for Biomarker Detection,
Cell Analysis, and Enzyme Activity



SENSITIVE, ACCURATE, REPRODUCIBLE ASSAYS

Entrust your precious samples, time, and research budget to assay kits from Enzo Life Sciences

Assay kits can be convenient time-saving tools to help accelerate your research, but not all assays are created equal. Some that promise convenience fail to deliver biologically relevant sensitivity, or the reproducibility needed for long-term studies, which can ultimately cost you more time and money. Whether you use ELISA kits for biomarker detection, assess cellular function with fluorescent assays, or screen enzyme modulators with activity assays, every Enzo assay kit offers something a lot of other companies out there today do not—Experience.

It takes more than just an antibody pair to make an ELISA. Building an immunoassay requires screening multiple antibodies, selecting appropriate standards and conjugates, establishing proper sample prep protocols, and validating the assay in relevant matrices. Our expertise in developing ELISAs is further backed by four decades of manufacturing excellence. Strict validation criteria and state-of-the-art manufacturing facilities deliver reproducible assays that continue to be cited in peer-reviewed publications by scientists around the world.

ELISA Kits

- Competitive and immunometric formats
- Multi-plate packs available
- Color-coded reagents reduce user error

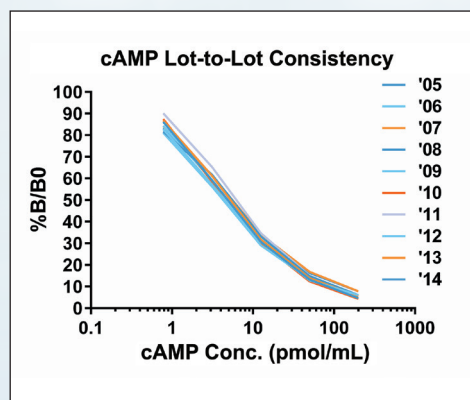
CELLESTIAL® Assays

- Novel assays for autophagy, aggregation, and multi-drug resistance
- Increased photostability and permeability
- Multiplex-compatible (GFP-CERTIFIED®) assays

Enzyme Activity Assays

- High-purity, high-activity control enzymes
- Novel substrate/developer chemistry
- Reduce interference from candidate compounds

Reliable Manufacturing Ensures Consistent Results



The graph above demonstrates the robust and reproducible nature of the competitive cAMP ELISA Kit (ADI-900-067), showing standard curves from 10 kit lots manufactured over 10 years.

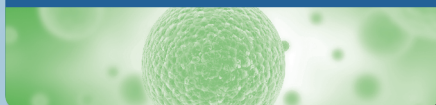
Immunoassay Kits

Our catalog of nearly 300 ELISA kits includes sensitive, specific assays for relevant markers of cell viability, signaling pathways, steroid and peptide hormones, inflammation, and more. In addition to traditional antibody pair based immunometric assays, our scientists specialize in the particularly challenging production of high-specificity competitive ELISAs for detection of small molecules. With 40 years of assay development experience and state-of-the-art manufacturing facilities, Enzo ensures time-tested reproducibility.



Cell-Based Assays

Our CELLESTIAL® portfolio of fluorescent probes and assay kits for cellular analysis provides a complete set of tools for monitoring cell viability, proliferation, death, oxidative stress and toxicology. Our dye-based assays have been optimized for the most demanding imaging applications including confocal microscopy, wide-field fluorescence microscopy, flow cytometry, and high content screening, where consistency and reproducibility are essential.



Enzyme Activity Assays

Whether you are performing large-scale screens, or studying specific enzyme kinetics, our high activity enzymes, unique substrates, and convenient kits are designed to deliver high-quality hits.



DETECT SMALL & LARGE ANALYTES ACCURATELY & EFFICIENTLY

Enzo Life Sciences offers a large variety of immunoassay kits in both immunometric and competitive assay formats. As scientists and manufacturers of kits, we understand the critical nature of your research. Each kit is put through rigorous testing to ensure high precision, accuracy, sensitivity, and specificity. You can be confident that you will obtain reproducible results, day-after-day and lot-after-lot.

Consistent – strict quality control guidelines ensure reproducible results, lot-after-lot

Trusted – reliability highlighted in peer-reviewed publications for three decades

Flexible – adaptable to automated equipment for high-throughput systems

Cyclic Nucleotides

The most sensitive colorimetric ELISA kits for detection of cAMP and cGMP, key second messenger signaling molecules.

Cyclic AMP Complete
Cyclic GMP Complete
Cyclic AMP Direct (Intracellular)
Cyclic GMP Direct (Intracellular)
Cyclic AMP (Extracellular)
Cyclic GMP (Extracellular)

Hormones

Sensitive assays for steroid and peptide hormones that regulate stress, reproduction, metabolism, cardiovascular physiology, and more.

Peptide

Angiotensin
Bradykinin
Endothelin-1
Gastrin
GLP-1
Insulin
LWV-Hemorphin
Oxytocin
Proinsulin
Substance P
Vasopressin

Steroid

Aldosterone
Corticosterone
Cortisol
DHEA
17β-Estradiol
Estriol
24(S) Hydroxycholesterol
FSH
LH
Melatonin
Progesterone
Testosterone
25(OH) Vitamin D

Monoamine

Serotonin

Wnt Pathway

Quantify key components of the Wnt pathway critical to cancer, development, bone remodeling, and neurodegeneration.

Total/Phospho-GSK-3β
Dkk-1
β-catenin

Neuroscience

High-specificity, sensitive assays for biomarkers of neurodegeneration and neural signaling.

24(S) Hydroxycholesterol
Serotonin
Survival Motor Neuron (SMN1)
APPΔC31

Heat Shock & Oxidative Stress

The definitive collection of ELISA kits for heat shock and oxidative stress.

αB-Crystallin
HSP25/27
HSP40
HSP60
HSP70 & HSP70 High Sensitivity
HSP90
Grp75
Grp78
Grp94
Heme Oxygenase-1
DNA Damage (8-OHdG)
Nitric Oxide

Toxicology

Biomarker detection for assessing response to toxic compounds.

NGAL
KIM-1

Bioprocess

Sensitive ELISA kits for biotherapeutic characterization and residual contaminant detection.

PEGylated Protein
Protein A
CHO HCP
E. coli HCP

Programmed Cell Death

Quantify critical cell death pathway proteins. The perfect complement to our CELLESTIAL® cell-based assays.

Autophagy

p62 (Sequestosome 1)
NBR1

Apoptosis

Bax
Bcl-2
Cytochrome C
p53/MDM2
Survivin
XIAP

Immunology

Broad portfolio of sensitive, high-specificity ELISA kits for inflammation and immunological studies.

Adiponectin
ANGPTL
CD40/CD40L
CRP
Cysteinyl Leukotrienes
FasL
12(S) HETE
15(S) HETE
Histamine
13(S) HOE
IFN-γ
IL-1β
IL-2
IL-4
IL-5
IL-6
IL-8
IL-10
IL-12p70
IL-13
IL-17A

IL-33
Leptin
LTB₄
Methotrexate
Namp1
NGAL
Osteoprotegerin
8-iso-PGF_{2α}
6-keto-PGF_{1α}
PGE₂ FPIA & CLIA
PGE₂ & PGE₂ High Sensitivity
PGF_{2α} & PGF_{2α} High Sensitivity
PSA
RANKL
Resistin
TGF-β1
TIMP-1
TNF-α
Transferrin
TXB₂
VEGF

FEATURED ELISA KITS

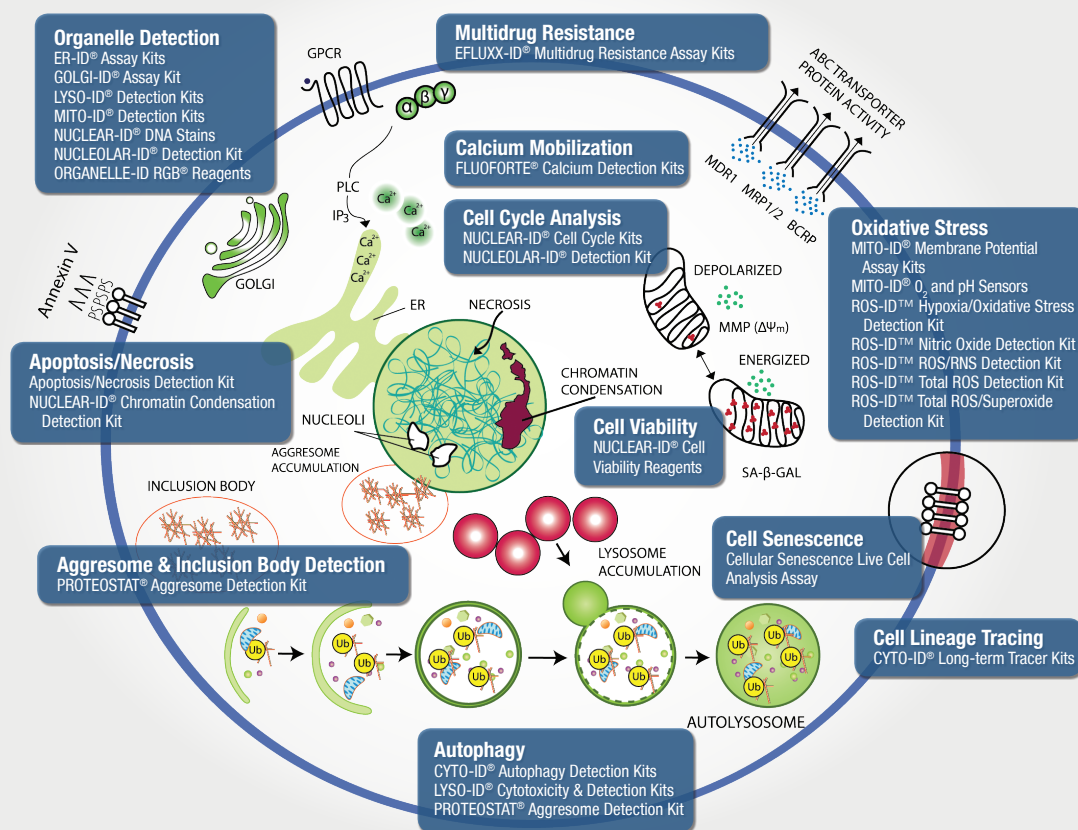
Product Name	Product #	Product Name	Product #
24(S) Hydroxycholesterol ELISA Kit	ADI-900-210	HSP70 High Sensitivity ELISA Kit	ADI-EKS-715
25(OH) Vitamin D ELISA Kit	ADI-900-215	HSP90α (human) ELISA Kit	ADI-EKS-895
cAMP Complete ELISA Kit	ADI-900-163 †	MBL Oligomer ELISA Kit	BPD-KIT-029
cGMP Complete ELISA Kit	ADI-900-164 †	NGAL (human) ELISA Kit	BPD-KIT-036
Corticosterone ELISA Kit	ADI-900-097 †	Oxytocin ELISA Kit	ADI-900-153 †
Cortisol ELISA Kit	ADI-900-071 †	PGE ₂ ELISA Kit	ADI-900-001 †
Dkk-1 (human) ELISA Kit	ADI-900-151	PGE ₂ High Sensitivity ELISA Kit	ADI-930-001 †
DNA Damage ELISA Kit	ADI-EKS-350	Protein A ELISA Kit	ADI-900-057
Endothelin-1 ELISA Kit	ADI-900-020A	Serotonin ELISA Kit	ADI-900-175
HO-1 (human) ELISA Kit	ADI-EKS-800	SMN ELISA Kit	ADI-900-209
HSP70 ELISA Kit	ADI-EKS-700B	Testosterone ELISA Kit	ADI-900-065 †

† Multi-plate pack size also available

VISUALIZE CELLULAR RESPONSES WITH NOVEL FLUORESCENT PROBES

Our panel of CELLESTIAL® fluorescence-based live cell assays is built upon our extensive expertise in the design and synthesis of fluorescent probes. From simple organelle-specific dyes for imaging cell structure and determining cell viability, to more complex dyes for evaluating cell signaling and death pathways, each of our probes is developed to provide sensitivity, specificity, and convenience.

- Convenient** – Increased photostability reduces photobleaching
- Specific** – Reduce false positives by eliminating non-specific dye-associated artifacts
- Flexible** – Compatible with common dyes and fluorescent markers (i.e., GFP) for multiplex analysis
- Consistent** – Optimized for reproducibility on microplate, flow cytometry, or fluorescent microscopy platforms



FEATURED CELLESTIAL® ASSAY KITS				
Product Name	Product #	MP	Flow	Microscopy
Apoptosis/Necrosis Detection Kit	ENZ-51002		•	•
Cellular Senescence Live Cell Analysis Kit	ENZ-KIT130		•	•
CYTO-ID® Autophagy Detection Kits	ENZ-51031, KIT175	•	•	•
FLUOFORTE® Calcium Assay Kit	ENZ-51016, 51017	•	•	•
LYSO-ID® Red Detection Kit	ENZ-51015			•
MITO-ID® Extracellular O ₂ Sensor Kit	ENZ-51044, 51045	•		
MITO-ID® Extracellular pH Sensor Probe	ENZ-51048	•		
MITO-ID® Membrane Potential Cytotoxicity Kit	ENZ-51019	•		
MITO-ID® Membrane Potential Detection Kit	ENZ-51018		•	•
PROTEOSTAT® Aggresome Detection Kit	ENZ-51035		•	•
ROS-ID™ Hypoxia/Oxidative Stress Detection Kit	ENZ-51042		•	•
ROS-ID™ Total ROS Detection Kit	ENZ-51011	•	•	•
ROS-ID™ Total ROS/Superoxide Detection Kit	ENZ-51010	•	•	•

Better enzymes, better assays, more high-quality hits

SCREEN ENZYME MODULATORS WITH INNOVATIVE ACTIVITY ASSAYS

Our decades of experience in the design and manufacture of active enzymes and their substrates support the development of an ever-expanding portfolio of biochemical assays. Our menu of scalable enzyme activity assays is anchored by our FLUOR DE LYS[®] deacetylase assay platform, featuring kits for screening modulators of HDAC and Sirtuin activity. We also offer FRET-based assays for matrix metalloproteinases (MMPs) and caspase activity, as well as phospho-specific antibody-based kinase assays. These assays exemplify the synergy of Enzo capabilities, assembling small peptide, active recombinant protein synthesis, fluorescent labeling and detection technologies, and antibody development into robust, reproducible assay kits.

Quality – High-activity, high-purity recombinant enzymes for high-quality hits

Flexibility – Bulk enzymes and substrates available for post-screening studies

Innovation – Patented substrate/developer chemistries in a variety of readout formats

CONVENIENT SCREENING FORMATS FROM THE PIONEER IN NON-RADIOACTIVE HDAC & SIRTUIN ASSAYS

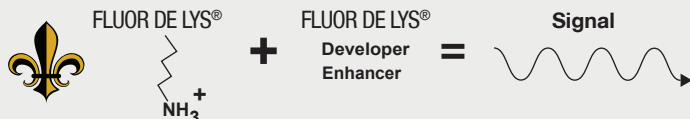
The FLUOR DE LYS[®] deacetylase assay platform revolutionized detection of HDAC & Sirtuin enzyme activity when it was introduced over a decade ago. Today, it continues as the gold standard in drug discovery research and target validation. FLUOR DE LYS[®] has freed researchers from cumbersome protocols required by radiolabeled or other modified histone-based methods. Our high-quality assays utilize patented substrate/developer chemistry in combination with high-activity, high-purity enzymes, to deliver more high-quality hits. Broad-class HDAC/Sirtuin screening assays are available in chemiluminescent, fluorescent, and colorimetric formats.

Choose A Format to Fit Your Needs

FLUOR DE LYS[®]
Robust fluorescent
screening assays

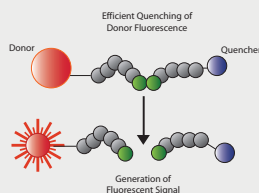
COLOR DE LYS[®]
Option for standard
absorbance plate readers

CHEMILUM DE LYS[®]
Ideal for cross-validation
of fluorescent assays



Modified Substrate-Based Format

CHEMILUM DE LYS[®] HDAC/SIRT Drug Discovery Kit
FLUOR DE LYS[®] HDAC & HDAC Green Assay Kits
COLOR DE LYS[®] HDAC Activity Assay Kit
FLUOR DE LYS[®] HDAC1/2/3/6/8 Specific Assay Kits
FLUOR DE LYS[®] SIRT 1/2/3/5 Assay Kits
Acetyltransferase & Methyltransferase Assay Kits



FRET-Based Format

MMP-1/2/3/7/8/9/10/12/13/14/19/20 Assay Kits
Caspase 1/3/8/9 Assay Kits
ADAM17 (TACE) Drug Discovery Kit



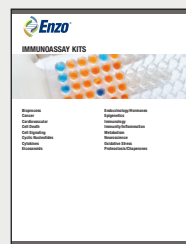
Antibody-Based Format

PKA, Akt & PKC Activity Assay Kits

FEATURED ENZYME ACTIVITY ASSAYS

Product Name	Product #	Product Name	Product #
Acetyltransferase Activity Kit	ADI-907-026	FLUOR DE LYS [®] SIRT1 Fluorometric Drug Discovery Kit	BML-AK555
Calcineurin Phosphatase Assay Kit	BML-AK804	MMP-1 Colorimetric Drug Discovery Kit	BML-AK404
DPPIV Drug Discovery Kit	BML-AK499	MMP-9 Colorimetric Drug Discovery Kit	BML-AK410
CHEMILUM DE LYS [®] HDAC/SIRT Chemiluminescent Drug Discovery Kit	BML-AK532	PKA Kinase Activity Kit	ADI-EKS-390A
FLUOR DE LYS [®] HDAC Fluorometric Activity Assay Kit	BML-AK500	PKC Kinase Activity Kit	ADI-EKS-420A
FLUOR DE LYS [®] Green HDAC Fluorometric Activity Kit	BML-AK530	Akt Kinase Activity Kit	ADI-EKS-400A

You may also be interested in:



EuroClone[®]
serving science through innovation

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info@euroclone.it - www.euroclone.it
Quality Management Systems and Environmental certified according to EN ISO 9001, ISO 13485 and EN ISO 14001

**For local distributors and detailed product information visit us online:
www.enzolifesciences.com**

Put our experience to work for you!

Our broad range of scientific expertise and industry-proven manufacturing capabilities enables us to provide a comprehensive set of assay kits to save you time and money!