

Human Histone Deacetylase 3 ELISA Kit | HDAC3 elisa kit

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CATALOG #
AAA96016

REACTIVITY
Human

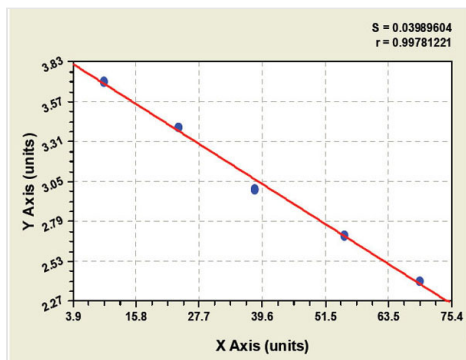
PRODUCT SYNONYMS

Histone Deacetylase 3; Human Histone Deacetylase 3 ELISA Kit; HDAC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This HDAC3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HDAC3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HDAC3 elisa kit

Principle of the assay: HDAC3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HDAC3 antibody and an HDAC3-HRP conjugate. The assay sample and buffer are incubated together with HDAC3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HDAC3 concentration since HDAC3 from samples and HDAC3-HRP conjugate compete for the anti-HDAC3 antibody binding site. Since the number of sites is limited, as more sites are occupied by HDAC3 from the sample, fewer sites are left to bind HDAC3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HDAC3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13128862
NCBI GeneID	8841
NCBI Accession #	NP_003874.2
NCBI GenBank Nucleotide #	NM_003883.3
Molecular Weight	49,111 Da
NCBI Official Full Name	histone deacetylase 3
NCBI Official Synonym Full Names	histone deacetylase 3
NCBI Official Symbol	HDAC3
NCBI Official Synonym Symbols	HD3; RPD3; RPD3-2
NCBI Protein Information	histone deacetylase 3; SMAP45
UniProt Protein Name	Histone deacetylase 3
UniProt Gene Name	HDAC3
UniProt Synonym Gene Names	HD3
UniProt Entry Name	HDAC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.