

Bovine Histone Deacetylase 3 ELISA Kit | HDAC3 elisa kit

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CATALOG #
AAA95090

REACTIVITY
Bovine

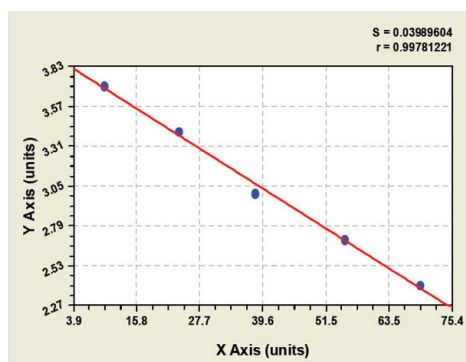
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HDAC3 elisa kit

Intended Uses: This HDAC3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine HDAC3. This ELISA kit for research use only!

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.

Product Categories/Family for HDAC3 elisa kit

Epigenetics and Nuclear Signaling

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.

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Online datasheet: <https://stage.aaabiotech.com/hdac3-bovine-ovine-elisa-kits/histone-deacetylase-3/95090>