

Sheep Histone Deacetylase 2 ELISA Kit | HDAC2 elisa kit

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CATALOG #
AAA97056

REACTIVITY
Sheep

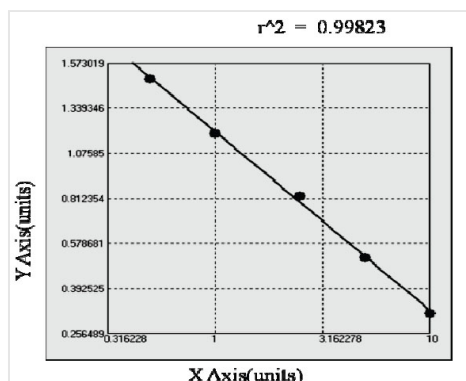
PRODUCT SYNONYMS

Histone Deacetylase 2; Sheep Histone Deacetylase 2 ELISA Kit; HDAC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This HDAC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep HDAC2. 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 HDAC2 elisa kit

Principle of the Assay: HDAC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HDAC2 antibody and an HDAC2-HRP conjugate. The assay sample and buffer are incubated together with HDAC2-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 HDAC2 concentration since HDAC2 from samples and HDAC2-HRP conjugate compete for the anti-HDAC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HDAC2 from the sample, fewer sites are left to bind HDAC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HDAC2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	293336691
NCBI GeneID	3066
NCBI Accession #	NP_001518.3
NCBI GenBank Nucleotide #	NM_001527.3
Molecular Weight	55,364 Da
NCBI Official Full Name	histone deacetylase 2
NCBI Official Synonym Full Names	histone deacetylase 2
NCBI Official Symbol	HDAC2
NCBI Official Synonym Symbols	HD2; RPD3; YAF1
NCBI Protein Information	histone deacetylase 2; YY1-associated factor 1; transcriptional regulator homolog RPD3
UniProt Protein Name	Histone deacetylase 2
UniProt Gene Name	HDAC2
UniProt Synonym Gene Names	HD2
UniProt Entry Name	HDAC2_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.