

Human Histone deacetylase 8 ELISA Kit | HDAC8 elisa kit

Human Histone deacetylase 8 ELISA Kit

CATALOG #
AAA102487

REACTIVITY
Human

PRODUCT SYNONYMS

Histone deacetylase 8; Human Histone deacetylase 8 ELISA Kit; HDAC8 (Histone deacetylase 8)/CDA07/HDACL1/RPD3; HDAC8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HDAC. No significant cross-reactivity or interference between HDAC and analogues was observed.
Sequence Length	377
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HDAC were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HDAC were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a HDAC8 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.018	0.174	0.32	0.591	0.935	1.405	1.783	2.187

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HDAC8 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-HDAC antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-HDAC antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the HDAC amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of HDAC can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7710996
NCBI GeneID	55869
UniProt Accession #	Q9BY41; Q86VC8; Q9NP76; Q9NYH4; A6ND12; A6ND61; A6NET3; A6NJR3; A8MQ62; B4DKN0; B4DV22
Molecular Weight	16,050 Da
NCBI Official Full Name	histone deacetylase 8
NCBI Official Synonym Full Names	histone deacetylase 8
NCBI Official Symbol	HDAC8
NCBI Official Synonym Symbols	HD8; WTS; RPD3; CDA07; CDLS5; MRXS6; HDACL1
NCBI Protein Information	histone deacetylase 8
UniProt Protein Name	Histone deacetylase 8
UniProt Gene Name	HDAC8
UniProt Synonym Gene Names	HDACL1; HD8
UniProt Entry Name	HDAC8_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hdac8-human-elisa-kits/histone-deacetylase-8/102487>