

Rat Beta-hexosaminidase subunit beta (HEXB) ELISA Kit | HEXB elisa kit

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CATALOG #
AAA246781

REACTIVITY
Rat

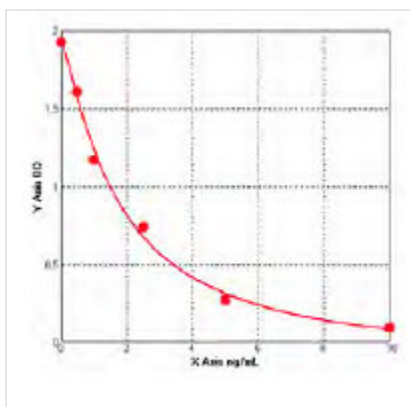
PRODUCT SYNONYMS

Beta-hexosaminidase subunit beta (HEXB); Rat Beta-hexosaminidase subunit beta (HEXB) ELISA Kit; HEXB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HEXB elisa kit

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504373
NCBI GeneID	3074
NCBI Accession #	NP_000512.1
NCBI GenBank Nucleotide #	NM_000521.3
Molecular Weight	63,111 Da
NCBI Official Full Name	beta-hexosaminidase subunit beta isoform 1 preproprotein
NCBI Official Synonym Full Names	hexosaminidase B (beta polypeptide)
NCBI Official Symbol	HEXB
NCBI Official Synonym Symbols	ENC-1AS; HEL-248
NCBI Protein Information	beta-hexosaminidase subunit beta; HCC-7; hexosaminidase subunit B; epididymis luminal protein 248; beta-N-acetylhexosaminidase subunit beta; cervical cancer proto-oncogene 7 protein; N-acetyl-beta-glucosaminidase subunit beta
UniProt Protein Name	Beta-hexosaminidase subunit beta
UniProt Gene Name	HEXB
UniProt Synonym Gene Names	HCC7; Hexosaminidase subunit B; HCC-7
UniProt Entry Name	HEXB_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/rat-elisa-kits/beta-hexosaminidase-subunit-beta-hexb/246781>