

Rat Sialidase 2, Cytosolic (SIAL2) ELISA Kit | SIAL2 elisa kit

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CATALOG #
AAA65327

REACTIVITY
Rat

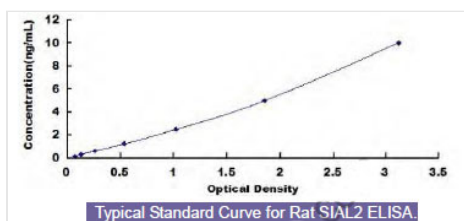
PRODUCT SYNONYMS

Sialidase 2; Cytosolic (SIAL2); Rat Sialidase 2; Cytosolic (SIAL2) ELISA Kit; MEU2; N-Acetyl-Alpha-Neuraminidase 2; Cytosolic sialidase; SIAL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SIAL2. No significant cross-reactivity or interference between SIAL2 and analogues was observed.
Sequence Length	380
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.059ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIAL2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SIAL2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIAL2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SIAL2 in rat serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SIAL2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SIAL2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SIAL2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SIAL2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222352170
NCBI GeneID	4759
NCBI Accession #	NP_005374.2
NCBI GenBank Nucleotide #	NM_005383.2
UniProt Accession #	Q9Y3R4; Q3KNW4; Q6NTB4
Molecular Weight	42,254 Da
NCBI Official Full Name	sialidase-2
NCBI Official Synonym Full Names	neuraminidase 2
NCBI Official Symbol	NEU2
NCBI Official Synonym Symbols	SIAL2
NCBI Protein Information	sialidase-2
UniProt Protein Name	Sialidase-2
UniProt Gene Name	NEU2

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.