

Human Carbohydrate Sulfotransferase 7 (CHST7) ELISA Kit | CHST7 elisa kit

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CATALOG #
AAA187531

REACTIVITY
Human

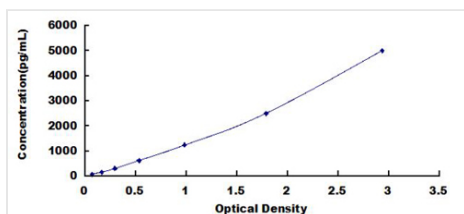
PRODUCT SYNONYMS

Carbohydrate Sulfotransferase 7 (CHST7); Human Carbohydrate Sulfotransferase 7 (CHST7) ELISA Kit; C6ST-2; N-acetylglucosamine 6-O) sulfotransferase 7; Chondroitin 6-sulfotransferase 2; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 5; CHST7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Carbohydrate Sulfotransferase 7 (CHST7). No significant cross-reactivity or interference between Carbohydrate Sulfotransferase 7 (CHST7) and analogues was observed.
Sequence Length	484
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 31pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Carbohydrate Sulfotransferase 7 (CHST7) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Carbohydrate Sulfotransferase 7 (CHST7) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHST7 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Carbohydrate Sulfotransferase 7 (CHST7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Carbohydrate Sulfotransferase 7 (CHST7). 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 Carbohydrate Sulfotransferase 7 (CHST7), 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 Carbohydrate Sulfotransferase 7 (CHST7) 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 #	11096336
NCBI GeneID	60322
NCBI Accession #	NP_068361.1
NCBI GenBank Nucleotide #	NM_021715.1
UniProt Accession #	Q9EP78; Q99NB0
Molecular Weight	54,767 Da
NCBI Official Full Name	carbohydrate sulfotransferase 7
NCBI Official Synonym Full Names	carbohydrate (N-acetylglucosamino) sulfotransferase 7
NCBI Official Symbol	Chst7
NCBI Official Synonym Symbols	GST5; C6ST-2; Gn6st-4; glcNAc6ST-4; 2600013M07Rik
NCBI Protein Information	carbohydrate sulfotransferase 7
UniProt Protein Name	Carbohydrate sulfotransferase 7
UniProt Gene Name	Chst7
UniProt Synonym Gene Names	Gst5; C6ST-2; mC6ST-2; GST-5; GlcNAc6ST-4; Gn6st-4

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.