



Mouse anti-Human CHST4 monoclonal antibody, clone 5E8 (CABT-B9970)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CHST4 (NP_005760, 221 a.a. ~ 321 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	5E8
Conjugate	Unconjugated
Applications	sELISA,ELISA
Sequence Similarities	LMIDSRIVMGQHEQKLKKEDQPYVVMQVICQSQLEIYKTIQSLPKALQERYLLVRYEDLA RAPVAQTSRMYEFVGLFPLHLQTWVHNITRGKMGMDHAF*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes an N-acetylglucosamine 6-O sulfotransferase. The encoded enzyme transfers sulfate from 3phosphoadenosine 5phospho-sulfate to the 6-hydroxyl group of N-
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acetylglucosamine on glycoproteins. This protein is localized to the Golgi and is involved in the modification of glycan structures on ligands of the lymphocyte homing receptor L-selectin. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2009]

Keywords	CHST4; carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4; GST3; LSST; GlcNAc6ST2; HECGLCNAC6ST; carbohydrate sulfotransferase 4; GST-3; gn6st-2; glcNAc6ST-2; HEC-GlcNAc6ST; L-selectin ligand sulfotransferase; N-acetylglucosamine 6-O-sulfotransferase 2; high endothelial cells N-acetylglucosamine 6-O-sulfotransferase; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 3; galactose/N-acetylglucosamine/N-acetylgalactosamine 6-O-sulfotransferase 3;
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GENE INFORMATION

Entrez Gene ID	10164
UniProt ID	Q8NCG5
Pathway	Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem
Function	N-acetylglucosamine 6-O-sulfotransferase activity; sulfotransferase activity; transferase activity
