



Human SLC39A5 blocking peptide (CDBP3242)

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

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-ZIP5 antibody
Antigen Description	Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A5 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	200 µg/ml
Size	50 µg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20°C, stable for one year.

GENE INFORMATION

Gene Name	SLC39A5 solute carrier family 39 (metal ion transporter), member 5 [Homo sapiens]
Official Symbol	SLC39A5

Synonyms	SLC39A5; solute carrier family 39 (metal ion transporter), member 5; zinc transporter ZIP5; ZIP-5; zrt- and Irt-like protein 5; solute carrier family 39 member 5; ZIP5; LZT-Hs7; MGC34778;
Entrez Gene ID	283375
mRNA Refseq	NM_001135195
Protein Refseq	NP_001128667
UniProt ID	Q6ZMH5
Chromosome Location	12q13.3
Pathway	Metal ion SLC transporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds, organism-specific biosystem; Zinc influx into cells by the SLC39 gene family, organism-specific biosystem; Zinc transporters, organism-specific biosystem;
Function	metal ion transmembrane transporter activity;