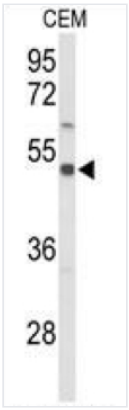
S39A8 Antibody – Rabbit Polyclonal

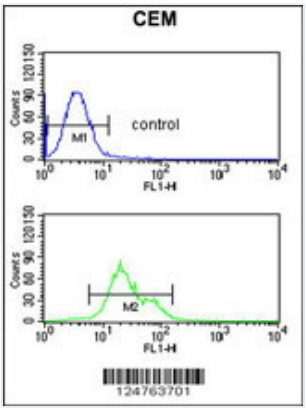
PRODUCT OVERVIEW

Product Name	S39A8, Polyclonal Antibody
Full Product Name	S39A8, ID (SLC39A8, BIGM103, ZIP8, Zinc transporter ZIP8, BCG-induced integral membrane protein in monocyte clone 103 protein, LIV-1 subfamily of ZIP zinc transporter 6, Solute carrier family 39 member 8, Zrt-and Irt-like protein 8) (Azide free) (HRP)
Product Gene Name	anti-S39A8 antibody
Product Synonym Gene Name	SLC39A8
Product Synonym Names	SLC39A8; BIGM103; ZIP8; Zinc transporter ZIP8; BCG-induced integral membrane protein in monocyte clone 103 protein; LIV-1 subfamily of ZIP zinc transporter 6; Solute carrier family 39 member 8; Zrt-and Irt-like protein 8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human S39A8.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	48,089 Da
OMIM	608732
3D Structure	ModBase 3D Structure for Q9C0K1
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 218-246 in the central region of human S39A8.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-S39A8 antibody	Antibodies; Transport Proteins
Applications Tested/Suitable for anti-S39A8 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-S39A8 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-S39A8 antibody	S39A8 encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke.

Product References and Citations for anti-S39A8 antibody	1. Wang, L. Cancer Epidemiol. Biomarkers Prev. 17 (12), 3558-3566 (2008). 2. Aiba, I. Mol. Pharmacol. 74 (3), 823-833 (2008). 3. Besecker, B. Am. J. Physiol. Lung Cell Mol. Physiol. 294 (6), L1127-L1136 (2008).
Other Notes	Small volumes of anti-S39A8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for S39A8 purchase	MBS6344770 is an antibody targeting S39A8. Also known as S39A8, ID (SLC39A8, BIGM103, ZIP8, Zinc transporter ZIP8, BCG-induced integral membrane protein in monocyte clone 103 protein, LIV-1 subfamily of ZIP zinc transporter 6, Solute carrier family 39 member 8, Zrt-and Irt-like protein 8) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-S39A8 antibody
Western Blot analysis in CEM cell line lysates (35ug/lane), usingMBS6005119. S39A8 (arrow) was detected usingMBS6005119.



Testing Data of anti-S39A8 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S39A8. It may not necessarily be applicable to this product.

NCBI GI #	205830403
NCBI GeneID	64116
NCBI Accession #	NP_071437
UniProt Primary Accession #	Q9C0K1
UniProt Secondary Accession #	Q96SM9; Q9BVC0; Q9NSA4; B4E2H3
UniProt Related Accession #	Q9C0K1
GenBank Nucleotide #	NM_001135146.1
NCBI Official Full Name	zinc transporter ZIP8 isoform a
NCBI Official Synonym Full Names	solute carrier family 39 (zinc transporter), member 8
NCBI Official Symbol	SLC39A8
NCBI Official Synonym Symbols	ZIP8; PP3105; BIGM103; LZT-Hs6
UniProt Protein Name	Zinc transporter ZIP8
UniProt Synonym Protein Names	BCG-induced integral membrane protein in monocyte clone 103 protein; LIV-1 subfamily of ZIP zinc transporter 6; LZT-Hs6; Solute carrier family 39 member 8; Zrt- and Irt-like protein 8; ZIP-8
UniProt Gene Name	SLC39A8
UniProt Synonym Gene Names	BIGM103; ZIP8; LZT-Hs6; ZIP-8
UniProt Entry Name	S39A8_HUMAN

NCBI Protein Information	zinc transporter ZIP8; ZIP-8; Zrt- and Irt-like protein 8; solute carrier family 39 member 8; LIV-1 subfamily of ZIP zinc transporter 6; BCG induced integral membrane protein BIGM103; solute carrier family 39 (metal ion transporter), member 8; BCG-induced
NCBI Summary for S39A8	This gene encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke. Multiple transcript variants encoding different isoforms have been found for this gene. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Oct 2008]
UniProt Comments for S39A8	SLC39A8: Acts as a zinc-influx transporter. Belongs to the ZIP transporter (TC 2.A.5) family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Transporter, SLC family; Transporter; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 4q24 Cellular Component: plasma membrane; integral to membrane Molecular Function: metal ion transmembrane transporter activity Biological Process: zinc ion transport; transmembrane transport
Research Articles on S39A8	**1.** Polymorphisms in SLC39A14 and SLC39A8 seemed to affect blood cadmium concentrations, for SLC39A14 this effect may occur via differential gene expression.
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