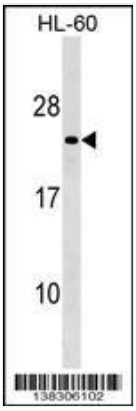
MS4A8B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MS4A8B, Polyclonal Antibody
Full Product Name	MS4A8B, NT (MS4A8B, 4SPAN4, Membrane-spanning 4-domains subfamily A member 8B, Four-span transmembrane protein 4) (PE)
Product Gene Name	anti-MS4A8B antibody
Product Synonym Names	MS4A8B; 4SPAN4; Membrane-spanning 4-domains subfamily A member 8B; Four-span transmembrane protein 4
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 R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	26,290 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (60467046..60483284). Location: 11q12.2
OMIM	606549
3D Structure	ModBase 3D Structure for Q9BY19
Immunogen	MS4A8B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-70 amino acids from the N-terminal region of human MS4A8B.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-MS4A8B antibody	Antibodies; Membrane Proteins
Applications Tested/Suitable for anti-MS4A8B antibody	Western Blot (WB), FLISA
Application Notes for anti-MS4A8B antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MS4A8B antibody	This gene encodes a member of the membrane-spanning 4A gene family. Members of this protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. The gene encoding this protein is localized to 11q12.3, among a cluster of family members.
Product References and Citations for anti-MS4A8B antibody	Lamesch, P., et al. Genomics 89(3):307-315(2007). Liang, Y., et al. Immunogenetics 53(5):357-368(2001). Liang, Y., et al. Genomics 72(2):119-127(2001). Ishibashi, K., et al. Gene 264(1):87-93(2001).

Other Notes	Small volumes of anti-MS4A8B 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 MS4A8B purchase	MBS6322460 is an antibody targeting MS4A8B. Also known as MS4A8B, NT (MS4A8B, 4SPAN4, Membrane-spanning 4-domains subfamily A member 8B, Four-span transmembrane protein 4) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MS4A8B antibody
MS4A8B Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the MS4A8B antibody detected the MS4A8B protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MS4A8B. It may not necessarily be applicable to this product.

NCBI GI #	13899295
NCBI GeneID	83661
NCBI Accession #	NP_113645.1
UniProt Primary Accession #	Q9BY19
UniProt Secondary Accession #	Q8TCA5
UniProt Related Accession #	Q9BY19
GenBank Nucleotide #	NM_031457.1
NCBI Official Full Name	membrane-spanning 4-domains subfamily A member 8
NCBI Official Synonym Full Names	membrane-spanning 4-domains, subfamily A, member 8
NCBI Official Symbol	MS4A8
NCBI Official Synonym Symbols	MS4A4; 4SPAN4; CD20L5; MS4A8B
UniProt Protein Name	Membrane-spanning 4-domains subfamily A member 8
UniProt Synonym Protein Names	Four-span transmembrane protein 4; Membrane-spanning 4-domains subfamily A member 8B
UniProt Gene Name	MS4A8
UniProt Synonym Gene Names	4SPAN4; MS4A8B
UniProt Entry Name	M4A8_HUMAN
NCBI Protein Information	membrane-spanning 4-domains subfamily A member 8; four-span transmembrane protein 4; membrane-spanning 4-domains, subfamily A, member 8B

UniProt Comments for MS4A8B	Function: May be involved in signal transduction as a component of a multimeric receptor complex. Subcellular location: Membrane; Multi-pass membrane protein. Tissue specificity: Expressed by hematopoietic tissues and cells lines. Sequence similarities: Belongs to the MS4A family.
Research Articles on MS4A8B	**1.** MS4A8B is a novel differentiation marker of the intestinal epithelium that supports the maintenance of a physiological barrier function in the gut by modulating the transcriptome and by conferring an increased resistance to reactive oxygen species.
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