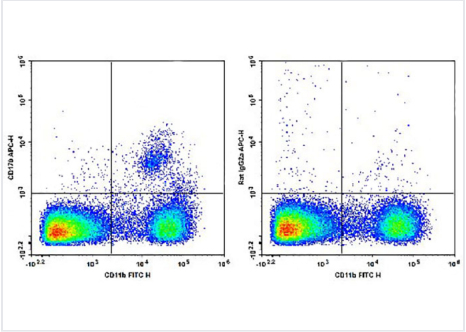
CD170 Antibody – Rat

PRODUCT OVERVIEW

Product Name	CD170, Antibody
Full Product Name	APC Anti-Mouse CD170 Antibody [S17007L]
Product Gene Name	anti-CD170 antibody
Product Synonym Names	OBBP2; CD33L2; OB-BP2; Siglec-F
Isotype	IgG1, kappa
Clone Number	S17007L
Host	Rat
Species Reactivity	Mouse
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD170 Clone #S17007L (MBS2584981) Isotype Control: IgG1, kappa Clone #HRPN (MBS2557814)
Molecular Weight	61,476 Da
Chromosome Location	Chromosome: 7; NC_000073.6 (43351341..43359475). Location: 7 B4; 7
3D Structure	ModBase 3D Structure for Q920G3
Conjugation	APC
Product Categories/Family for anti-CD170 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD170 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD170 antibody	MBS2584981 is an antibody targeting CD170. Also known as APC Anti-Mouse CD170 Antibody [S17007L]. Reactive in Mouse. Host: Rat.
Other Notes	Small volumes of anti-CD170 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.



Flow Cytometry (FC/FACS) of anti-CD170 antibody
Staining of C57BL/6 murine bone marrow cells with FITC Anti-Mouse/Human CD11b Antibody and APC Anti-Mouse CD170 Antibody[S17007L] (left) or APC Rat IgG1, ? Isotype Control (right). Total viable cells were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD170. It may not necessarily be applicable to this product.

NCBI GI #	8778
NCBI GeneID	233186
NCBI Accession #	NP_001257948.1
UniProt Primary Accession #	Q920G3
UniProt Related Accession #	Q920G3
GenBank Nucleotide #	NM_001271019.1
NCBI Official Full Name	sialic acid-binding Ig-like lectin 5 isoform 2
NCBI Official Synonym Full Names	sialic acid binding Ig-like lectin 5
NCBI Official Symbol	Siglec5
NCBI Official Synonym Symbols	Siglecf; mSiglec-F
UniProt Protein Name	Sialic acid-binding Ig-like lectin 5
UniProt Synonym Protein Names	Sialic acid-binding Ig-like lectin F
Protein Family	Sialic acid-binding Ig-like lectin
UniProt Gene Name	Siglec5
UniProt Synonym Gene Names	Siglecf; Siglec-5; Siglec-F; mSiglec-F
UniProt Entry Name	SIGL5_MOUSE
NCBI Protein Information	sialic acid-binding Ig-like lectin 5; siglec-5; siglec-F; sialic acid-binding lectin Siglec-F; sialic acid binding Ig-like lectin F; sialic acid-binding Ig-like lectin F

UniProt Comments for CD170	Function: Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. Subcellular location: Membrane; Single-pass type I membrane protein. Tissue specificity: Predominantly expressed by immature monocytic/myeloid lineage cells in bone marrow. Also found at lower levels in mature neutrophils and monocytes. Domain: Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases. Sequence similarities: Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family.Contains 2 Ig-like C2-type (immunoglobulin-like) domains.Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Research Articles on CD170	**1.** Sialic acid-binding Ig-like lectin-F (Siglec-F) in mice and its functional paralog Siglec-8 in humans are transmembrane receptors that play a role in the apoptosis of eosinophils.
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