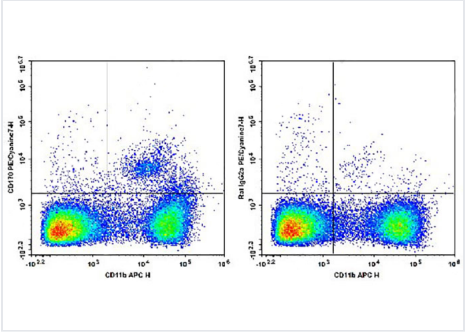
CD170 Antibody – Rat

PRODUCT OVERVIEW

Product Name	CD170, Antibody
Full Product Name	PE/Cyanine7 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 (MBS2584982) Isotype Control: IgG1, kappa Clone #HRPN (MBS2557817)
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	PE/Cyanine 7
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	MBS2584982 is an antibody targeting CD170. Also known as PE/Cyanine7 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 APC Anti-Mouse/Human CD11b Antibody and PE/Cyanine7 Anti-Mouse CD170 Antibody[S17007L] (left) or PE/Cyanine7 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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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