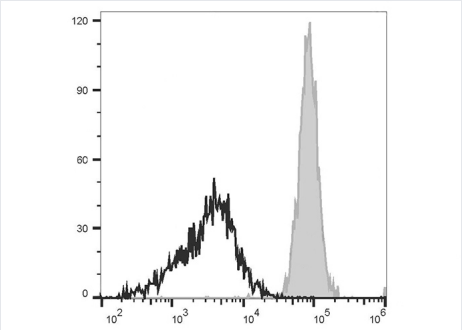
CD371 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD371, Antibody
Full Product Name	PE/Cyanine7 Anti-Human CD371 Antibody [50C1]
Product Gene Name	anti-CD371 antibody
Product Synonym Names	CLL1; MICL; CLL-1; DCAL-2; C-type lectin domain family 12 member A
Isotype	IgG2a, kappa
Clone Number	50C1
Host	Mouse
Species Reactivity	Human
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: CD371 Clone #50C1 (MBS2584645) Isotype Control: IgG1, kappa Clone #MOPC-21 (MBS2557736)
Molecular Weight	30,762 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (10103915..10147704). Location: 12p13.2
OMIM	612088
3D Structure	ModBase 3D Structure for Q5QGZ9
Conjugation	PE/Cyanine 7
Product Categories/Family for anti-CD371 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD371 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD371 antibody	MBS2584645 is an antibody targeting CD371. Also known as PE/Cyanine7 Anti-Human CD371 Antibody [50C1]. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-CD371 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-CD371 antibody
Staining of normal human peripheral blood cells with PE/Cyanine7 Anti-Human CD371 Antibody[50C1] (filled gray histogram) or PE/Cyanine7 Mouse IgG2a, ? Isotype Control (empty black histogram). Cells in the monocytes gate were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD371. It may not necessarily be applicable to this product.

NCBI GI #	160364
NCBI GeneID	160364
NCBI Accession #	NP_001193939.1
UniProt Primary Accession #	Q5QGZ9
UniProt Secondary Accession #	Q6P4H1; Q6RH77; Q6RH78; Q8TDQ6; B2RA16
UniProt Related Accession #	Q5QGZ9
GenBank Nucleotide #	NM_001207010.1
NCBI Official Full Name	C-type lectin domain family 12 member A isoform 3
NCBI Official Synonym Full Names	C-type lectin domain family 12, member A
NCBI Official Symbol	CLEC12A
NCBI Official Synonym Symbols	CLL1; MICL; CLL-1; DCAL-2
UniProt Protein Name	C-type lectin domain family 12 member A
UniProt Synonym Protein Names	C-type lectin-like molecule 1; CLL-1; Dendritic cell-associated lectin 2; DCAL-2; Myeloid inhibitory C-type lectin-like receptor
UniProt Gene Name	CLEC12A
UniProt Synonym Gene Names	CLL1; DCAL2; MICL; CLL-1; DCAL-2; MICL
UniProt Entry Name	CL12A_HUMAN
NCBI Protein Information	C-type lectin domain family 12 member A; C-type lectin superfamily; C-type lectin protein CLL-1; C-type lectin-like molecule-1; dendritic cell-associated lectin 2; myeloid inhibitory C-type lectin-like receptor
NCBI Summary for CD371	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. The protein encoded by this gene is a negative regulator of granulocyte and monocyte function. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. This gene is closely linked to other CTL/CTLD superfamily members in the natural killer gene complex region on chromosome 12p13. [provided by RefSeq, May 2011]

UniProt Comments for CD371	CLEC12A: Cell surface receptor that modulates signaling cascades and mediates tyrosine phosphorylation of target MAP kinases. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 12p13.2 Cellular Component: integral to membrane; plasma membrane Molecular Function: carbohydrate binding
Research Articles on CD371	**1.** There is a potential genetic association of CLEC12A with rheumatoid arthritis (RA). Since CLEC12A encodes for the myeloid inhibitory C-type lectin-like receptor that modulates cytokine synthesis, this receptor may contribute to the pathogenesis of RA.
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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