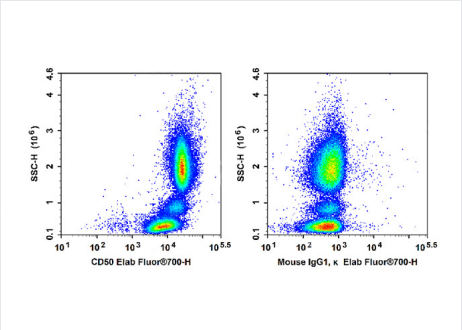
CD50 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD50, Antibody
Full Product Name	Fluor 700 Anti-Human CD50 Antibody [CBR-IC3/1]
Product Gene Name	anti-CD50 antibody
Product Synonym Names	ICAM-3
Isotype	IgG1, kappa
Clone Number	CBR-IC3/1
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: CD50 Clone #CBR-IC3/1 (MBS2584639) Isotype Control: IgG1, kappa Clone #MOPC-21 (MBS2579320)
Molecular Weight	59,541 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (10444452..10450345, complement). Location: 19p13.3-p13.2
OMIM	146631
3D Structure	ModBase 3D Structure for P32942
Conjugation	Fluor700
Product Categories/Family for anti-CD50 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD50 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD50 antibody	MBS2584639 is an antibody targeting CD50. Also known as Fluor 700 Anti-Human CD50 Antibody [CBR-IC3/1]. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-CD50 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-CD50 antibody
Staining of normal human peripheral blood cells with Fluor® 700 Anti-Human CD50 Antibody[CBR-IC3/1](left) or Fluor® 700 Mouse IgG1, ? Isotype Control(right). Cells in the leucocyte gate were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD50. It may not necessarily be applicable to this product.

NCBI GI #	3385
NCBI GeneID	3385
NCBI Accession #	NP_002153.2
UniProt Primary Accession #	P32942
UniProt Secondary Accession #	Q6PD68
UniProt Related Accession #	P32942
GenBank Nucleotide #	NM_002162.3
NCBI Official Full Name	intercellular adhesion molecule 3
NCBI Official Synonym Full Names	intercellular adhesion molecule 3
NCBI Official Symbol	ICAM3
NCBI Official Synonym Symbols	CD50; CDW50; ICAM-R
UniProt Protein Name	Intercellular adhesion molecule 3
UniProt Synonym Protein Names	CDw50; ICAM-R
Protein Family	Intercellular adhesion molecule
UniProt Gene Name	ICAM3
UniProt Synonym Gene Names	ICAM-3
UniProt Entry Name	ICAM3_HUMAN
NCBI Protein Information	intercellular adhesion molecule 3; ICAM-3; intercellular adhesion molecule-3
NCBI Summary for CD50	The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. [provided by RefSeq, Jul 2008]

UniProt Comments for CD50	ICAM3: ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM3 is also a ligand for integrin alpha-D/beta-2. Belongs to the immunoglobulin superfamily. ICAM family. Protein type: Cell adhesion; Membrane protein, integral; Immunoglobulin superfamily Chromosomal Location of Human Ortholog: 19p13.3-p13.2 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: integrin binding; protein binding; receptor binding Biological Process: cell-cell adhesion; extracellular matrix organization and biogenesis; regulation of immune response; cell adhesion
Research Articles on CD50	**1.** Intercellular adhesion molecule (ICAM)-3 mRNA is upregulated in non-adherent endothelial forming cells.
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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Online datasheet: https://www.mybiosource.com/human-antibody/cd50/2584639