CD50 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD50, Polyclonal Antibody
Full Product Name	CD50 (phospho Ser518) Polyclonal Antibody
Product Gene Name	anti-CD50 antibody
Product Synonym Names	ICAM3; Intercellular adhesion molecule 3; ICAM-3; CDw50; ICAM-R; CD antigen CD50
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	Phospho-CD50 (S518) Polyclonal Antibody detects endogenous levels of CD50 protein only when phosphorylated at S518.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
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
Immunogen	The antiserum was produced against synthesized peptide derived from human CD50/ICAM-3 around the phosphorylation site of Ser518. AA range:484-533
Product Categories/Family for anti-CD50 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD50 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CD50 antibody	WB: 1:500-1:2000 ELISA: 1:40000
Related Product Information for anti-CD50 antibody	intercellular adhesion molecule 3 (ICAM3) Homo sapiens 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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]
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.
Searchable Terms for CD50 purchase	MBS8586197 is an antibody targeting CD50. Also known as CD50 (phospho Ser518) Polyclonal Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	167466207
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.
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