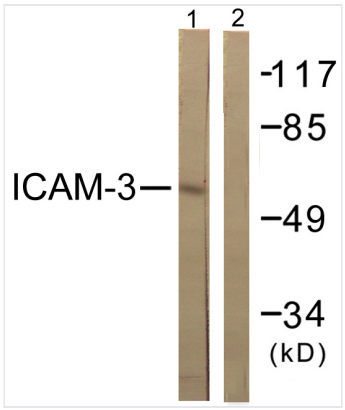
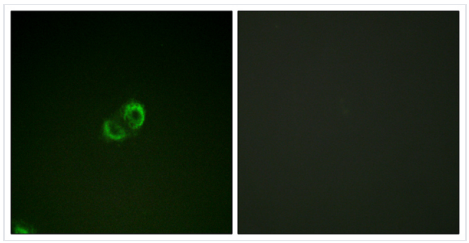
CD50/ICAM-3 Antibody

PRODUCT OVERVIEW

Product Name	CD50/ICAM-3, Antibody
Full Product Name	CD50/ICAM-3 (Ab-518) Antibody
Product Gene Name	anti-CD50/ICAM-3 antibody
Product Synonym Names	CD50 antigen; CDw50; ICA3; ICAM-R; ICAM3; Intercellular adhesion molecule-3 precursor
Species Reactivity	Human
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified fromrabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	CD50/ICAM-3 (Ab-518) antibody detects endogenous levels of total CD50/ICAM-3 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	59,541 Da
OMIM	146631
3D Structure	ModBase 3D Structure for P32942
Immunogen	The antiserum was produced against synthesized non-phosphopeptide derived from human CD50/ICAM-3 around the phosphorylation site of serine 518 (S-G-SP-Y-H).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD50/ICAM-3 antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-CD50/ICAM-3 antibody	WB: 1:500~1:1000 IF: 1:100~1:500 ELISA: 1:5000
Related Product Information for anti-CD50/ICAM-3 antibody	MBS8509625 is an antibody targeting CD50/ICAM-3. Also known as CD50/ICAM-3 (Ab-518) Antibody. Reactive in Human.
Product References and Citations for anti-CD50/ICAM-3 antibody	Fawcett J., Nature 360:481-484(1992). de Fougerolles A.R., J. Exp. Med. 177:1187-1192(1993). Funatsu O., Eur. J. Biochem. 268:1020-1029(2001). Liu T., J. Proteome Res. 4:2070-2080(2005).
Other Notes	Small volumes of anti-CD50/ICAM-3 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.



Testing Data of anti-CD50/ICAM-3 antibody



Western Blot (WB) of anti-CD50/ICAM-3 antibody
Peptide-+ Western blot analysis of extracts from NIH/3T3 cells, treated with TNF-a (20ng/ml, 5mins), using CD50/ICAM-3 (Ab-518) antibody. Immunofluorescence analysis of A549 cells, using CD50/ICAM-3 (Ab-518) antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD50/ICAM-3. 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_002162.4
NCBI Official Full Name	intercellular adhesion molecule 3 isoform 1
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; CD_antigen: CD50
UniProt Gene Name	ICAM3
UniProt Synonym Gene Names	ICAM-3
NCBI Protein Information	intercellular adhesion molecule 3
NCBI Summary for CD50/ICAM-3	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]
UniProt Comments for CD50/ICAM-3	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2) (PubMed:1448173). ICAM3 is also a ligand for integrin alpha-D/beta-2. In association with integrin alpha-L/beta-2, contributes to apoptotic neutrophil phagocytosis by macrophages (PubMed:23775590).
Research Articles on CD50/ICAM-3	**1.** Increased expression of PECAM-1, ICAM-3, and VCAM-1 in colonic biopsies from patients with inflammatory bowel disease (IBD) in clinical remission is associated with subsequent flares; this suggests that increases in the expression of these proteins may be early events that lead to flares in patients with IBD

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