

CD50 / ICAM-3 Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone 101-1D2]
Catalog # AH11489**Specification**

CD50 / ICAM-3 Antibody - With BSA and Azide - Product Information

Application	IHC, IF, FC
Primary Accession	P32942
Other Accession	3385 , 354563
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a, kappa
Calculated MW	110-160kDa KDa

CD50 / ICAM-3 Antibody - With BSA and Azide - Additional Information**Gene ID** 3385**Other Names**

Intercellular adhesion molecule 3, ICAM-3, CDw50, ICAM-R, CD50, ICAM3

Application Note**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

CD50 / ICAM-3 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

CD50 / ICAM-3 Antibody - With BSA and Azide - Protein Information**Name** ICAM3**Function**

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).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Leukocytes.

CD50 / ICAM-3 Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD50 / ICAM-3 Antibody - With BSA and Azide - Images

CD50 / ICAM-3 Antibody - With BSA and Azide - Background

Recognizes an N-glycosylated glycoprotein of 120kDa with intra-chain disulfide bonds, identified as CD50 or ICAM-3 (WS: IV & V). Its epitope localizes in the D2 extracellular domain and is resistant to neuraminidase and proteases. CD50 is the major ligand for LFA-1 (CD11a/CD18) and may have signalling role to increase adhesion. It is expressed on thymocytes and T lymphocytes and is resistant to treatment with phosphatidylinositol (PI) phospholipase C. This MAb inhibits primary mixed lymphocyte culture (MLC) but not secondary MLC, cytotoxicity or proliferation induced by mitogens. It blocks binding of NK1-L16 stimulated T cells to L cells expressing CD50. This MAb is excellent for staining of formalin/paraffin tissues.

CD50 / ICAM-3 Antibody - With BSA and Azide - References

Vilella R, et. al. Tissue Antigens, 1990, 36(5):203-10. | Pino-Otin MR, et. al. Journal of Immunology, 1995, 154(6):3015-24. | Knapp, W. et. al. Leucocyte Typing IV, p541, 667-670, 1087, Oxford Univ. Press, 1989. | Schlossman SF, et. al. Leucocyte Typing V, p1542-1547, 2011, Oxford Univ. Press, 1993