

CD50 / ICAM-3 Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone SPM505]
Catalog # AH10491**Specification****CD50 / ICAM-3 Antibody - With BSA and Azide - Product Information**

Application	IHC-P, IF, FC
Primary Accession	P32942
Other Accession	3385 , 354563
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b, 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

IHC-P~~N/A
IF~~1:50~200
FC~~1:10~50

Format

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/23775590)).

Cellular Location

Membrane; Single-pass type I membrane protein.

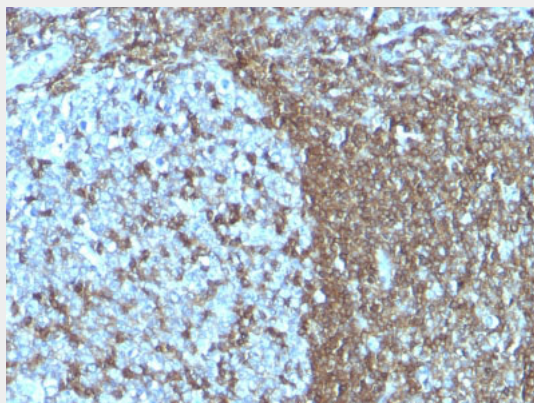
Tissue Location

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

Formalin-fixed, paraffin-embedded human Tonsil stained with CD50 Monoclonal Antibody (SPM505)

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

Recognizes the D1 domain of an N-glycosylated glycoprotein of 120kDa with intra-chain disulfide bonds, identified as CD50 or ICAM-3. CD50 is the major ligand for LFA-1 (CD11a/CD18) and may have signaling role to increase adhesion. It is expressed on thymocytes and T lymphocytes and is resistant to treatment with phosphatidylinositol (PI) phospholipase C. This MAb is excellent for staining of formalin/paraffin tissues.

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

Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995)p. 1546-1547, 1578-1579. | C.L. Holness, et al, (1995) J Biol Chem 270: 877-884. | Y. van Kooyk, et al, (1996) J Exp Med 183:1247-1252. | Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p.403-409