

CD50 / ICAM-3 Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM505]
Catalog # AH10491

Product Information

Application	IF, FC, IHC-P
Primary Accession	P32942
Other Accession	3385 , 354563
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b, kappa
Clone Names	SPM505
Calculated MW	59541

Additional Information

Gene ID	3385
Other Names	Intercellular adhesion molecule 3, ICAM-3, CDw50, ICAM-R, CD50, ICAM3
Application Note	IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
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.

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.

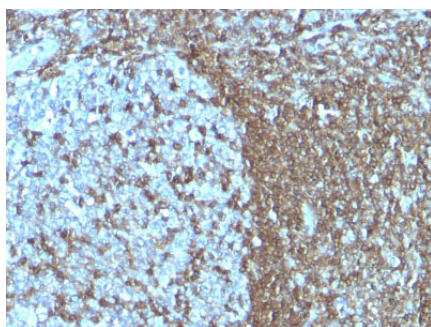
Background

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.

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.