

Product datasheet for **AM50116PU-S**

ICAM3 Mouse Monoclonal Antibody [Clone ID: SPM505]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM505
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Functional Assays: Blocks binding of CD11a (LFA-1) to CD50 (ICAM-3) (Use Azide Free Antibody). ELISA: Use BSA free Antibody for coating. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Western Blotting: 0.5-1 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: HL-60 or THP-1 cells, Lymph node and tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Stimulated human leukocytes.
Specificity:	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 Monoclonal Antibody is excellent for staining of formalin/paraffin tissues. Cellular Localization: Cell surface.



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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	110-160 kDa
Gene Name:	intercellular adhesion molecule 3
Database Link:	Entrez Gene 3385 Human P32942
Synonyms:	ICAM-3, ICAM-R, CDw50