

## ICAM-3 Antibody [clone 101-1D2] (V2607)

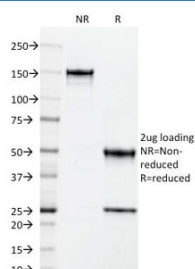
Catalog No.	Formulation	Size
V2607-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2607-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2607SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (7)

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	101-1D2
Purity	Protein G affinity chromatography
UniProt	P32942
Localization	Membrane, cytoplasm
Applications	Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This ICAM-3 antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free ICAM-3 Antibody (clone 101-1D2).  
Confirmation of Integrity and Purity of the Antibody.

## Description

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.

## Application Notes

Optimal dilution of the ICAM-3 antibody should be determined by the researcher.

1. Staining of formalin/paraffin tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

## Immunogen

Stimulated human leukocytes were used as the immunogen for the ICAM-3 antibody.

## Storage

Store the ICAM-3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

CD50