

For Research Use Only

ICAM-2/CD102 Recombinant antibody

Catalog Number: 84442-1-RR



Basic Information

Catalog Number: 84442-1-RR	GenBank Accession Number: NM_010494.2	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 15896	CloneNo.: 241387F11
Source: Rabbit	UNIPROT ID: P35330	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG	Full Name: intercellular adhesion molecule 2	
	Calculated MW: 31kDa	
	Observed MW: 45-55 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse lung tissue, bEnd.3 cells

IHC : mouse cerebellum tissue, mouse lung tissue, mouse spleen tissue

Background Information

ICAM2 is a cell adhesion protein having important roles in cell migration, especially during inflammation when leukocytes cross the endothelium. Initially described as a receptor for lymphocyte function-associated antigen-1 (LFA1), ICAM2 may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. ICAM2 has six N-linked glycosylation sites at amino acids (asparagines) 47, 82, 105, 153, 178 and 187.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

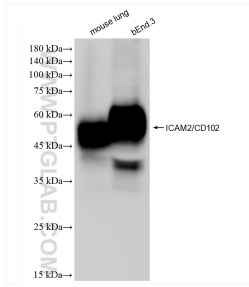
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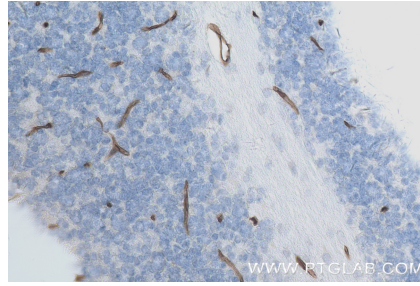
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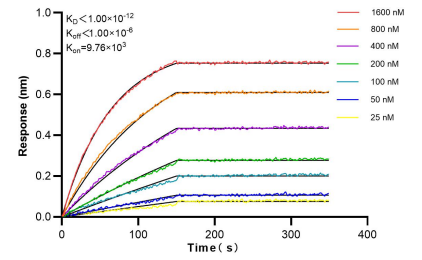
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84442-1-RR (ICAM-2/CD102 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 84442-1-RR (ICAM-2/CD102 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 84442-1-RR against Mouse ICAM-2/CD102 were performed. The affinity constant is below 1 pM.