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Anti-CD102 Antibody

Catalog # AP51781

Product Information

Application	WB
Primary Accession	P13598
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30654

Additional Information

Gene ID	3384
Other Names	Intercellular adhesion molecule 2; ICAM-2; CD102
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD102. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

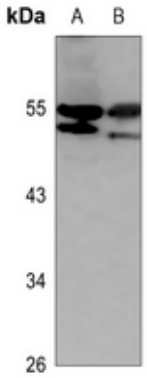
Name	ICAM2 (HGNC:5345)
Function	Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring leukocyte cell-cell adhesion on resting cells (PubMed:10077629, PubMed:1676048, PubMed:2497351). Also endothelial blood vessels receptor ligand of dendritic cell (DC) CD209 signaling receptor that mediates triggering transendothelial migration of DC presursors from blood into peripheral tissues and, subsequently, into lymphoid tissues (PubMed:11017109). Mediates adhesive interactions important for antigen presentation, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance (Probable).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus {ECO:0000250|UniProtKB:P35330}. Note=Co-localizes with RDX, EZR and MSN in microvilli. {ECO:0000250|UniProtKB:P35330}
Tissue Location	Constitutively expressed on leukocytes and endothelium (PubMed:1676048).

Expressed on resting lymphocytes and monocytes, but not in neutrophils (PubMed:1676048). Abundantly expressed on endothelial vascular cells as well as lymphatic vessels in tonsils (PubMed:11017109).

References

Staunton D.E.,et al.Nature 339:61-64(1989).
Garcia-Aguilar J.,et al.Submitted (FEB-1990) to the EMBL/GenBank/DDBJ databases.
Xu G.,et al.Proc. Natl. Acad. Sci. U.S.A. 106:19310-19315(2009).
Liu T.,et al.J. Proteome Res. 4:2070-2080(2005).
Wollscheid B.,et al.Nat. Biotechnol. 27:378-386(2009).

Images



Western blot analysis of CD102 expression in HEK293T (A), H446 (B) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 55 kD)

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