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CD102

Purified Mouse Monoclonal Antibody
Catalog # AO2720a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P13598
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6B9G10
Isotype	Mouse IgG1
Calculated MW	30654
Immunogen	Purified recombinant fragment of human CD102 (AA: extra 25-223) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	3384
Other Names	ICAM2
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD102 is for research use only and not for use in diagnostic or therapeutic procedures.

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

1.Curr Opin Hematol. 2015 Jan;22(1):53-9. 2.BMC Cancer. 2013 May 28;13:261.

Images

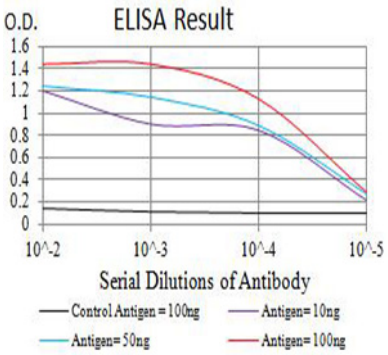


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

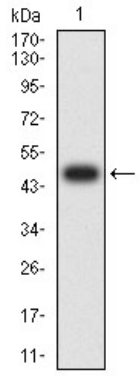


Figure 3:Western blot analysis using CD102 mAb against human CD102 (AA: extra 25-223) recombinant protein. (Expected MW is 48 kDa)

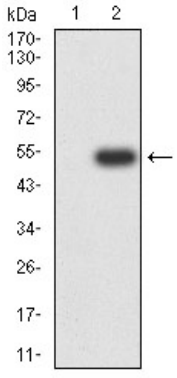
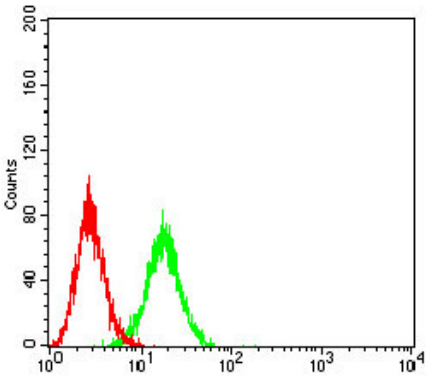


Figure 4:Western blot analysis using CD102 mAb against HEK293 (1) and CD102 (AA: extra 25-223)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 2:Flow cytometric analysis of Ramos cells using



CD102 mouse mAb (green) and negative control (red).

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