

CD102
Purified Mouse Monoclonal Antibody
Catalog # AO2719a**Specification**

CD102 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	P13598
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	30.7kDa KDa

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

CD102 - Additional Information

Gene ID 3384

Other Names

ICAM2

Dilution

WB~~ 1/500 - 1/2000

IHC~~ 1/200 - 1/1000

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.

CD102 - Protein Information

Name ICAM2

Function

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). 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.

Cellular Location

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}

CD102 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD102 - Images

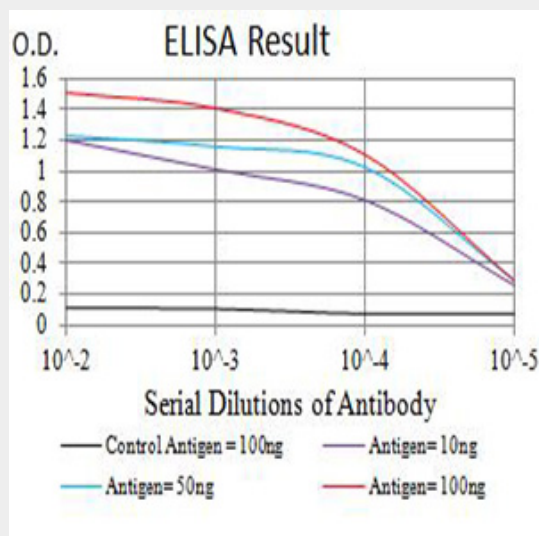


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10 ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

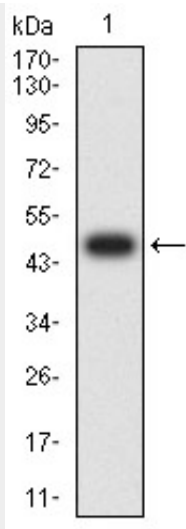


Figure 5: Western blot analysis using CD102 mAb against human CD102 (AA: extra 25-223) recombinant protein. (Expected MW is 48 kDa)

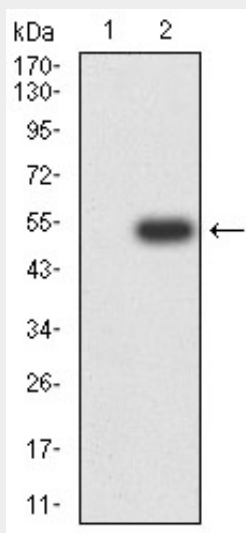


Figure 6: Western blot analysis using CD102 mAb against HEK293 (1) and CD102 (AA: extra 25-223)-hlgGfc transfected HEK293 (2) cell lysate.

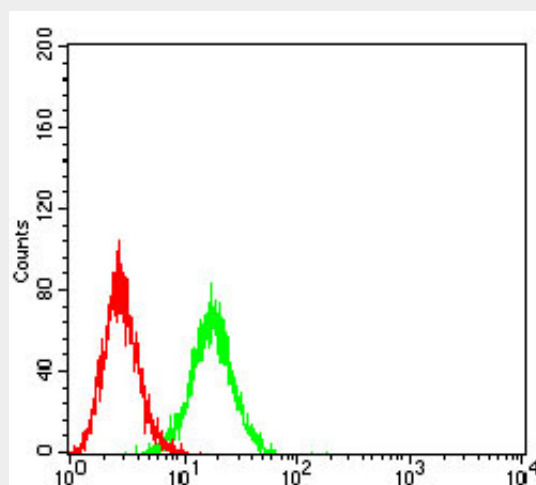


Figure 2: Flow cytometric analysis of Ramos cells using CD102 mouse mAb (green) and negative

control (red).

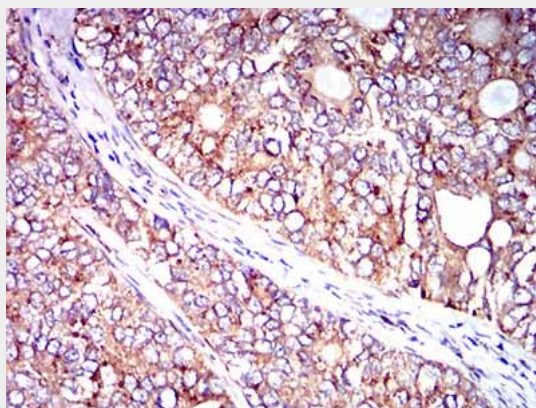
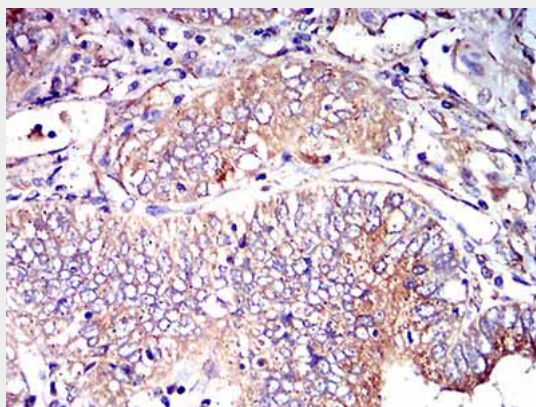


Figure 3:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CD102 mouse mAb with DAB staining.



1/200 - 1/1000

CD102 - References

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