

**CD102**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2720a**

**Specification**

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**CD102 - Product Information**

Application	<b>WB, IHC, ICC, E</b>
Primary Accession	<a href="#">P13598</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>30.7kDa KDa</b>

**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~~1:100~500

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.

**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

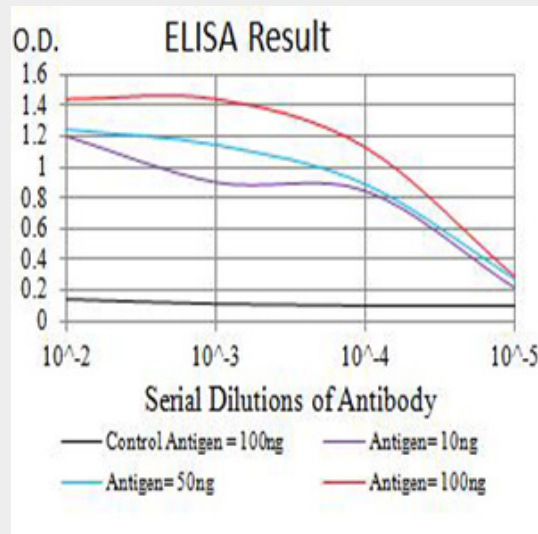


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

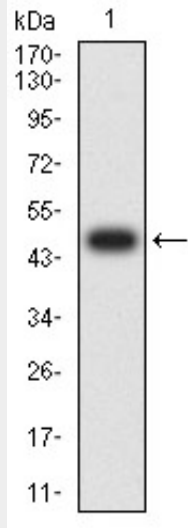


Figure 3:Western blot analysis using CD102 mAb against human CD102 (AA: extra 25-223) recombinant protein. (Expected MW is 48 kDa)

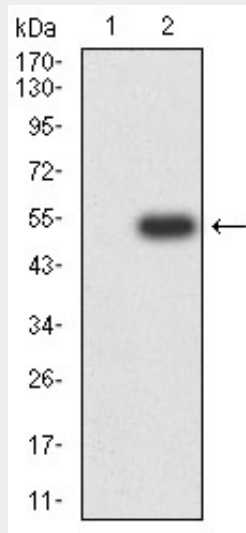


Figure 4:Western blot analysis using CD102 mAb against HEK293 (1) and CD102 (AA: extra 25-223)-hlgGfc transfected HEK293 (2) cell lysate.

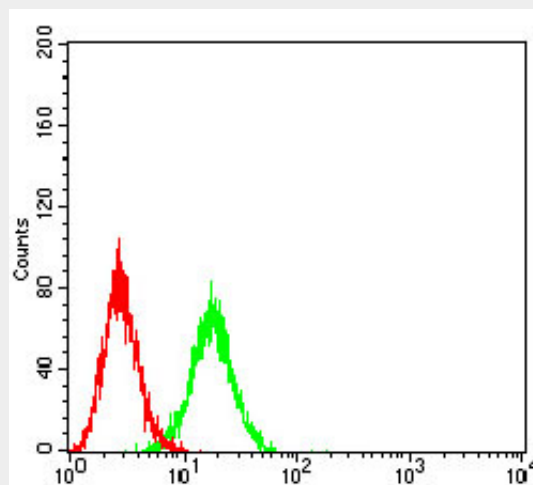


Figure 2:Flow cytometric analysis of Ramos cells using CD102 mouse mAb (green) and negative

control (red).

### **CD102 - References**

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