

**CD152**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2681a**

**Specification**

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**CD152 - Product Information**

Application	<b>E, WB</b>
Primary Accession	<a href="#">P16410</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>24.6kDa KDa</b>

**Immunogen**

Purified recombinant fragment of human CD152 (AA: extra 36-161) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CD152 - Additional Information**

**Gene ID** 1493

**Other Names**

CTLA4; CD; GSE; GRD4; ALPS5; CTLA-4; IDDM12; CELIAC3

**Dilution**

E~~ 1/10000  
WB~~ 1/500 - 1/2000

**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**

CD152 is for research use only and not for use in diagnostic or therapeutic procedures.

**CD152 - Protein Information**

**Name** CTLA4

**Synonyms** CD152

**Function**

Inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28.

### Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=Exists primarily an intracellular antigen whose surface expression is tightly regulated by restricted trafficking to the cell surface and rapid internalization

### Tissue Location

Widely expressed with highest levels in lymphoid tissues. Detected in activated T-cells where expression levels are 30- to 50-fold less than CD28, the stimulatory coreceptor, on the cell surface following activation.

### CD152 - 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](#)

### CD152 - Images

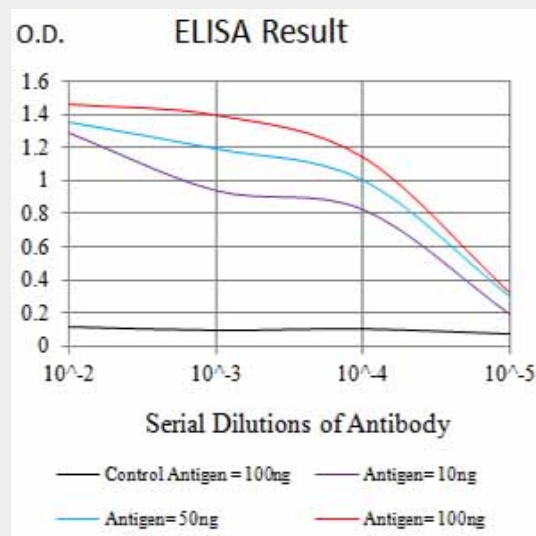


Figure 4: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

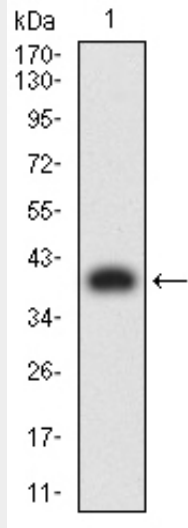


Figure 2:Western blot analysis using CD152 mAb against human CD152 (AA: extra 36-161) recombinant protein. (Expected MW is 39.5 kDa)

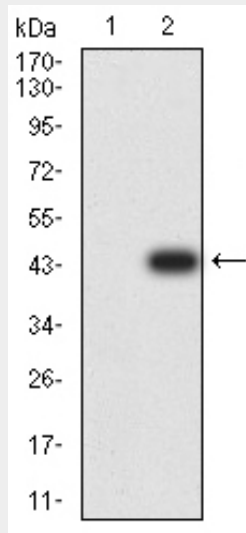


Figure 3:Western blot analysis using CD152 mAb against HEK293 (1) and CD152 (AA: extra 36-161)-hlgGfc transfected HEK293 (2) cell lysate.

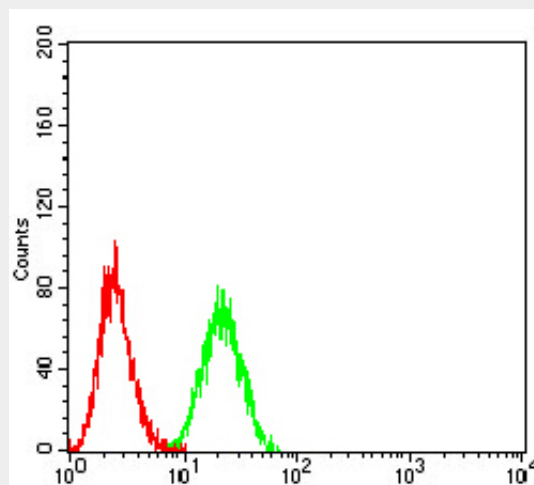


Figure 4:Flow cytometric analysis of Ramos cells using CD152 mouse mAb (green) and negative

control (red).

### **CD152 - References**

1.Asian Pac J Cancer Prev. 2016;17(8):3785-91.2.Eur J Cancer. 2015 Nov;51(17):2689-97.