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CD152
Purified Mouse Monoclonal Antibody
Catalog # AO2681a

Specification

CD152 - Product Information

Application	**WB, IHC, ICC, E**
Primary Accession	P16410
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG1**
Calculated MW	**24.6kDa KDa**

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
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
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 Cytomety
- Cell Culture

CD152 - Images

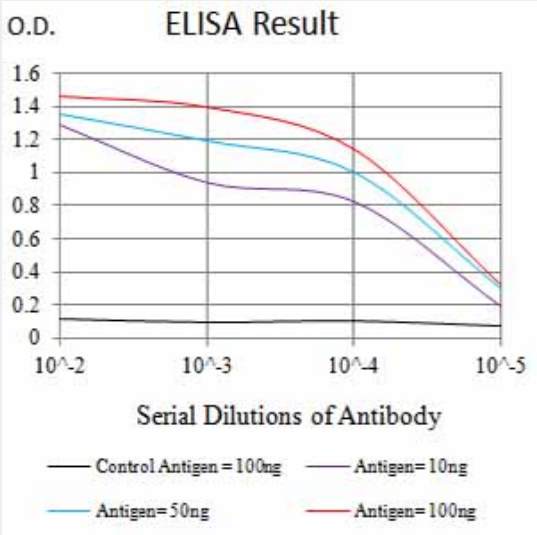

Figure 4:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

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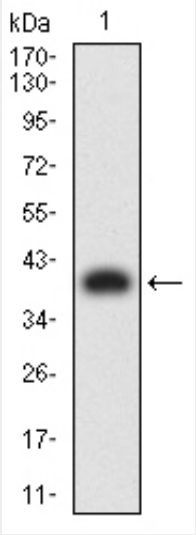

Figure 2:Western blot analysis using CD152 mAb against human CD152 (AA: extra 36-161) recombinant protein. (Expected MW is 39.5 kDa)

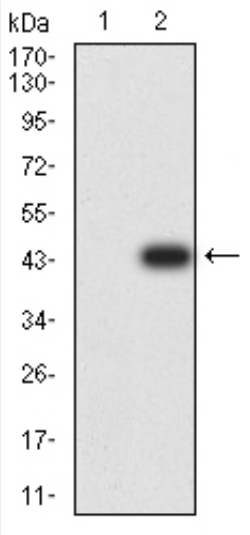

Figure 3:Western blot analysis using CD152 mAb against HEK293 (1) and CD152 (AA: extra 36-161)-hIgGFc transfected HEK293 (2) cell lysate.

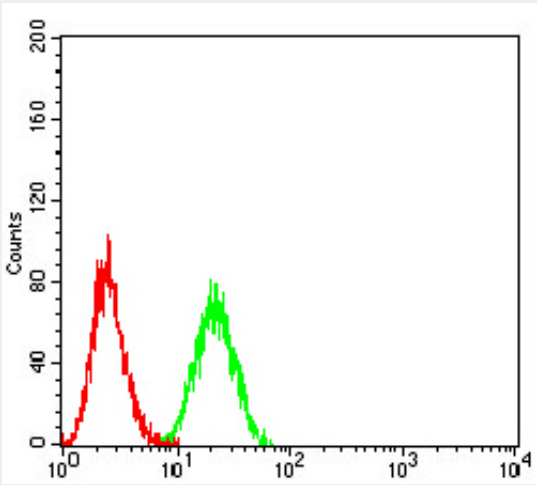

Figure 4:Flow cytometric analysis of Ramos cells using CD152 mouse mAb (green) and negative

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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.