

CD152
Purified Mouse Monoclonal Antibody
Catalog # AO2681a

Specification

CD152 - Product Information

Application	E, WB
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

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

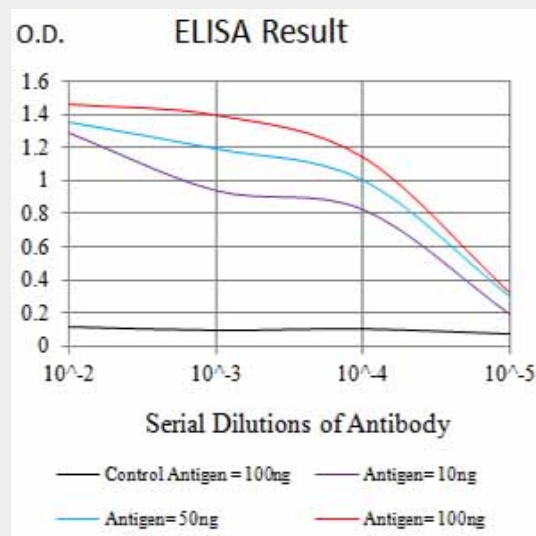


Figure 4: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

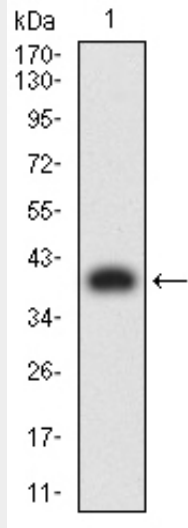


Figure 2:Western blot analysis using CD152 mAb against human CD152 (AA: extra 36-161) recombinant protein. (Expected MW is 39.5 kDa)

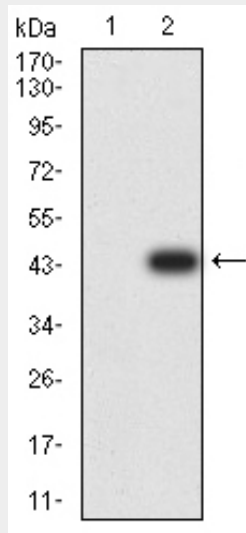


Figure 3:Western blot analysis using CD152 mAb against HEK293 (1) and CD152 (AA: extra 36-161)-hlgGfc transfected HEK293 (2) cell lysate.

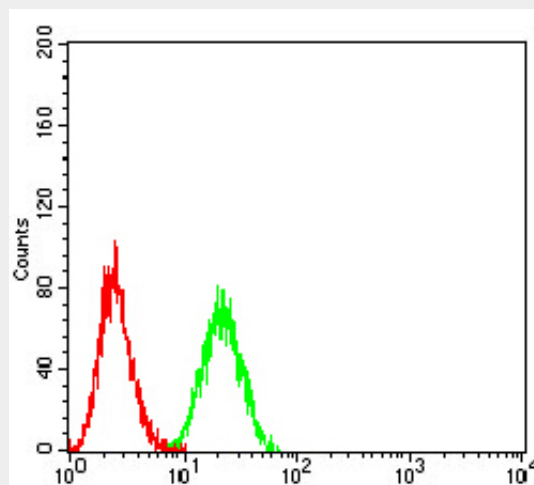


Figure 4:Flow cytometric analysis of Ramos cells using CD152 mouse mAb (green) and negative

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.