10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD152

Purified Mouse Monoclonal Antibody
Catalog # AO2681a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P16410
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8B3F8
Isotype	Mouse IgG1
Calculated MW	24656
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

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.

Protein Information

Name	CTLA4
Synonyms	CD152
Function	Inhibitory receptor acting as a major negative regulator of T-cell responses (PubMed:11279501, PubMed:11279502, PubMed:16551244, PubMed:1714933, PubMed:18641304, PubMed:28484017). Acts as a decoy receptor: 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 (PubMed:11279501, PubMed:11279502, PubMed:16551244, PubMed:1714933, PubMed:28484017).

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.

References

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

Images

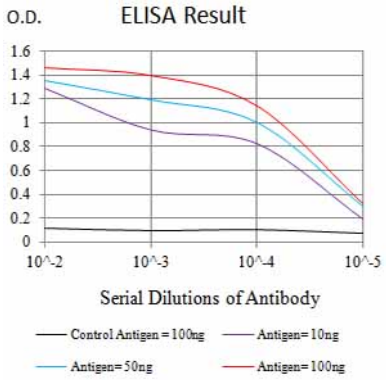


Figure 4:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

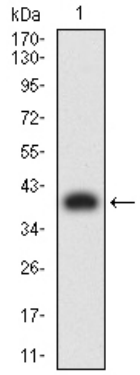


Figure 2:Western blot analysis using CD152 mAb against human CD152 (AA: extra 36-161) recombinant protein. (Expected MW is 39.5 kDa)

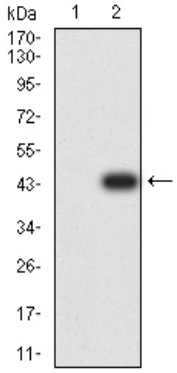
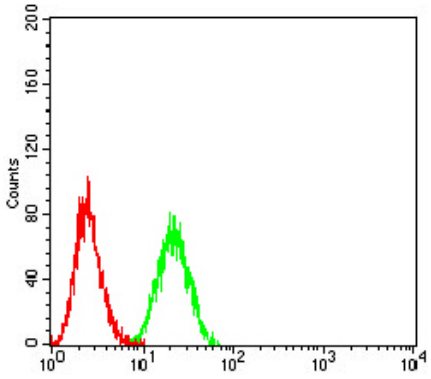


Figure 3:Western blot analysis using CD152 mAb against HEK293 (1) and CD152 (AA: extra 36-161)-hIgGFc transfected HEK293 (2) cell lysate.

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.