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CD112

Purified Mouse Monoclonal Antibody
Catalog # AO2693a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q92692
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4A11B12
Isotype	Mouse IgG1
Calculated MW	57742
Immunogen	Purified recombinant fragment of human CD112 (AA: extra 58-212) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	5819
Other Names	NECTIN2; HVEB; PRR2; PVRL2; PVRR2
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	CD112 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NECTIN2 (HGNC:9707)
Synonyms	HVEB, PRR2, PVRL2
Function	Modulator of T-cell signaling. Can be either a costimulator of T-cell function, or a coinhibitor, depending on the receptor it binds to. Upon binding to CD226, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Upon interaction with PVRIG, inhibits T-cell proliferation. These interactions are competitive (PubMed:26755705). Probable cell adhesion protein (PubMed:9657005).

Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Ubiquitous.

References

1.Mol Cancer. 2013 Jun 12;12:60.2.Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2010 May;26(5):477-9.

Images

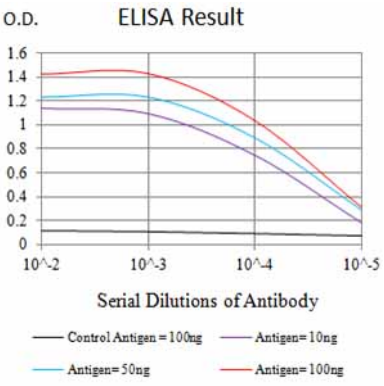


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

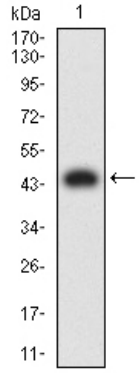


Figure 2:Western blot analysis using CD112 mAb against human CD112 (AA: extra 58-212) recombinant protein. (Expected MW is 45.4 kDa)

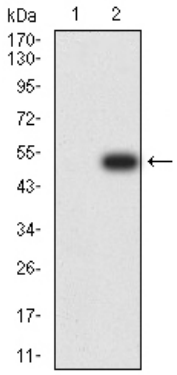
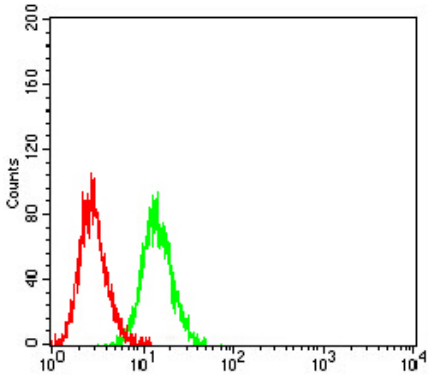


Figure 3:Western blot analysis using CD112 mAb against HEK293 (1) and CD112 (AA: extra 58-212)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Flow cytometric analysis of Ramos cells using CD112 mouse mAb (green) and negative control (red).



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