

CD112
Purified Mouse Monoclonal Antibody
Catalog # AO2693a**Specification**

CD112 - Product Information

Application	E, WB
Primary Accession	O92692
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	57.7kDa KDa

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

CD112 - Additional Information

Gene ID 5819

Other Names

NECTIN2; HVEB; PRR2; PVRL2; PVRR2

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

CD112 is for research use only and not for use in diagnostic or therapeutic procedures.

CD112 - 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.

CD112 - 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](#)

CD112 - Images

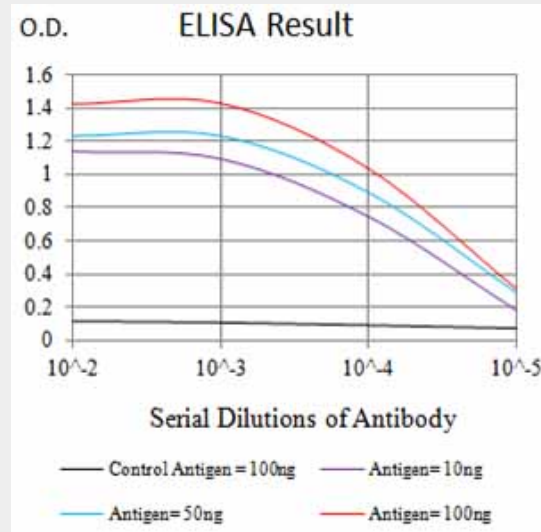


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

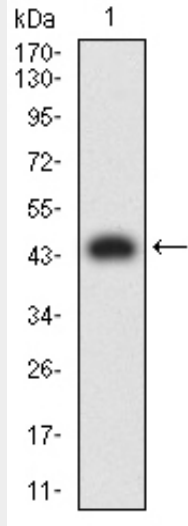


Figure 2:Western blot analysis using CD112 mAb against human CD112 (AA: extra 58-212) recombinant protein. (Expected MW is 45.4 kDa)

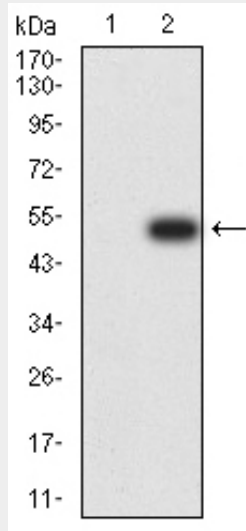


Figure 3:Western blot analysis using CD112 mAb against HEK293 (1) and CD112 (AA: extra 58-212)-hlgGfc transfected HEK293 (2) cell lysate.

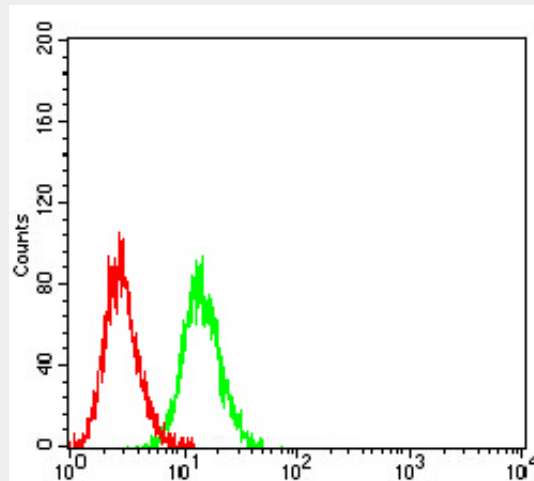


Figure 4:Flow cytometric analysis of Ramos cells using CD112 mouse mAb (green) and negative

control (red).

CD112 - 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.