For Research Use Only

Nectin-2/CD112 Recombinant monoclonal antibody, PBS Only

Catalog Number:84460-5-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
84460-5-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1670

GenBank Accession Number:
NM_001042724.2

GeneID (NCBI):
5819

UNIPROT ID:
Q92692-2

Full Name:
poliovirus receptor-related 2 (herpesvirus entry mediator B)

Calculated MW:
58 kDa

Observed MW:
65-75 kDa

Purification Method:
Protein A purification

CloneNo.:
241725D3

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

Nectin 2, also named as PVRL2, CD112, HVEB, PRR2 and PVRR2, is an adhesion molecule widely expressed in cell lines of different lineages, including hematopoietic, neuronal, endothelial and epithelial cells. CD112 belongs to a new family of immunoglobulin-like molecules that includes four members (CD111, CD112, PRR3 and CD155) sharing an ectodomain made of three Ig domains, of V and C types. CD112 is expressed in the myelo-monocytic and megakaryocytic hematopoietic lineages and the function in hematopoiesis is currently unknown. CD112 is an intercellular homophilic adhesion. CD112 localizes specifically at adherents junctions via its cytoplasmic interaction with the scaffold F-actin binding protein afadin. Disruption of the murine CD112 gene leads to infertility of male mice with morphologically aberrant spermatozoa. CD112 mediates entry of some alphaherpesvirus mutants (also named HveB) via its V domain. CD112 is involved in cell to cell spreading of viruses.

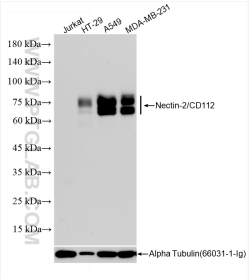
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

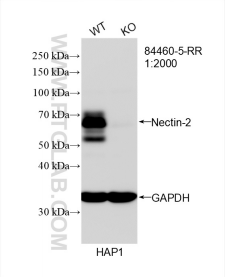
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

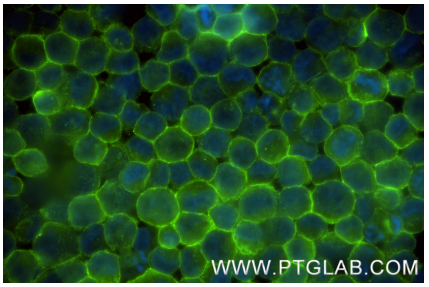
Selected Validation Data



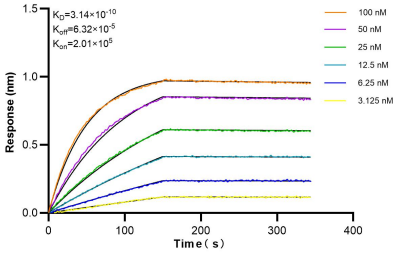
Various lysates were subjected to SDS PAGE followed by western blot with 84460-5-RR (Nectin-2/CD112 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84460-5-PBS in a different storage buffer formulation.



WB result of Nectin-2/CD112 antibody (84460-5-RR; 1:2000; room temperature for 1.5 hours) with wild-type and Nectin-2/CD112 knockout HAP1 cells. This data was developed using the same antibody clone with 84460-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using Nectin-2/CD112 antibody (84460-5-RR, Clone: 241725D3) at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84460-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84460-5-RR against Human Nectin-2/CD112 were performed. The affinity constant is 0.314 nM.