A24990
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ABflo® 594 Rabbit anti-Human Nectin-1/CD111 mAb

Catalog No.: A24990

Basic Information

Observed MW

Calculated MW
57kDa/51kDa/39kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC65140-ABflo594

Conjugate
ABflo® 594. Ex:588nm. Em:604nm.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Contact

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Background

This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini.

Immunogen Information

Gene ID
5818

Swiss Prot
Q15223

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
ED4; PRR; HIgR; HV1S; HVEC; OFC7; PRR1; PVRR; CD111; PVRL1; PVRR1; SK-12; CLPED1; nectin-1

Product Information

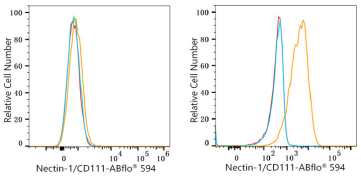
Source
Rabbit

Isotype
IgG

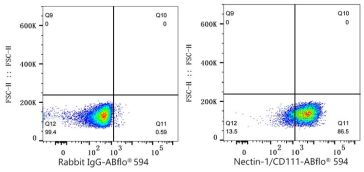
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1X10^6 K-562 cells (Low Expression,left) and SH-SY5Y cells (right) were surface-stained with ABflo® 594 Rabbit anti-Human Nectin-1/CD111 mAb (A24990,5 µl/Test,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 SH-SY5Y cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-Human Nectin-1/CD111 mAb (A24990,5 µl/Test,right) .