

12-9208: Anti-CD112 antibody(DMC224), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	DMC224
Application :	ELISA,FACS
Reactivity :	Human
Alternative Name :	NECTIN2? HVEB? PRR2? PVRL2? PVRR2

Description

This gene encodes a single-pass type I membrane glycoprotein with two Ig-like C2-type domains and an Ig-like V-type domain. This protein is one of the plasma membrane components of adherens junctions. It also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses. Variations in this gene have been associated with differences in the severity of multiple sclerosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Product Info

Amount :	100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Not Sterile
Storage condition :	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

Application Note

ELISA 1/5000-10000;FACS 1/100

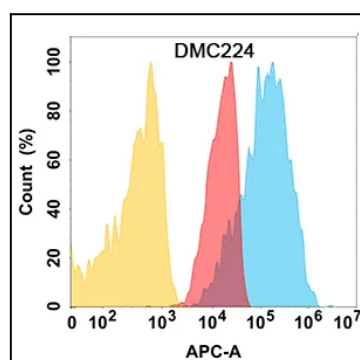


Figure 1. CD112 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-CD112 (DMC224) on Expi293 cells transfected with human CD112 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

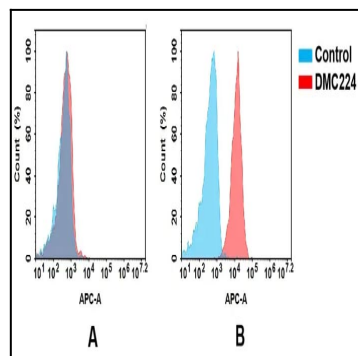


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD112 mAb. (A) The antibody does not bind to MM.1S cells that do not express CD112. (B) A clear peak shift of the antibody was seen compared to the control when incubated with CD112-expressing MCF-7 cells, indicating strong binding of the antibody to CD112. Antibodies were incubated at $5 \mu\text{g/mL}$.

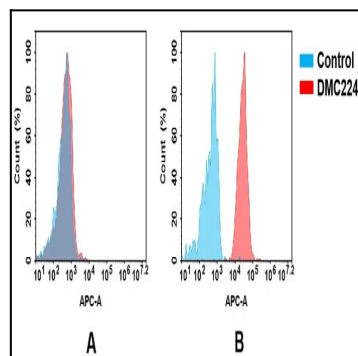


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD112 mAb. (A) The antibody does not bind to MM.1S cells that do not express CD112. (B) A clear peak shift of the antibody was seen compared to the control when incubated with CD112-expressing Huh7 cells, indicating strong binding of the antibody to CD112. Antibodies were incubated at $5 \mu\text{g/mL}$.