

Anti-PVRIG Antibody

CATALOG NO.: A2247-100 (100 µg)

BACKGROUND DESCRIPTION: Poliovirus receptor-related immunoglobulin domain-containing (PVRIG), also known as CD112 receptor (CD112R), is a 34 kDa transmembrane protein that belongs to the poliovirus receptor-like protein family. It is expressed on T cells and NK cells, but not on monocytes, neutrophils, and B cells. PVRIG binds with high affinity to poliovirus receptor-related 2 (PVRL2/CD112/Nectin-2) and inhibits T-cell mediated immune responses. Expression of PVRIG on T cells is high in multiple cancers such as lung, kidney, breast, ovarian, and endometrial cancers. Blocking of PVRIG alone or in combination with other immune checkpoint proteins such as TIGIT and PD-1 has been demonstrated to increase the production of cytokines and T-cell mediated cytotoxic activity. A novel monoclonal antibody (COM701) has been demonstrated to disrupt the interaction between PVRIG and PVRL2, thus inhibiting tumor growth.

ALTERNATE NAMES: CD112R, C7orf15, PVRIG, MGC2463, CD112 Receptor, Nectin-2 Receptor

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Recombinant Human Transmembrane protein PVRIG protein (193 - 326 aa)

MOLECULAR WEIGHT: 35 kDa

PURIFICATION: Protein G purified

FORM: Liquid

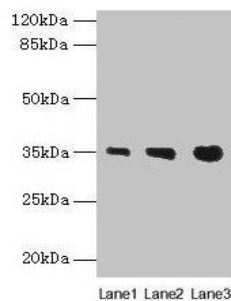
FORMULATION: In 0.01 M PBS, pH 7.4, 50% Glycerol, 0.03% proclin 300

SPECIES REACTIVITY: Human, Mouse

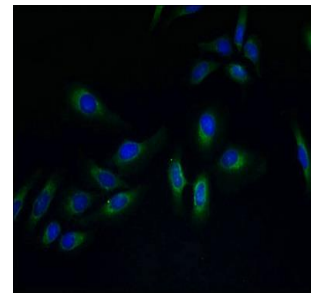
STORAGE CONDITIONS: Store at -20°C. Avoid freeze/thaw cycles

APPLICATIONS AND USAGE: WB 1:1000-1:5000, IF 1:50-1:200

This information is only intended as a guide. The optimal dilutions must be determined by the user



Western Blot analysis of mouse liver (Lane 1), mouse kidney (Lane 2), and mouse heart (Lane 3) whole cell lysates was performed using Anti-PVRIG antibody at a concentration of 4 µg/ml. Goat polyclonal to rabbit IgG was used as secondary antibody at a dilution of 1:10,000.



Immunofluorescence analysis of HeLa cells was performed with Anti-PVRIG antibody at a dilution of 1:100. Alexa Fluor 488 conjugated goat anti-rabbit IgG (H+L) was used as secondary antibody.

RELATED PRODUCTS:

Anti-TIGIT, Rabbit IgG, kappa Antibody (A2018)
 Anti-CTLA4 Antibody (A1083)
 Anti-CD96 Antibody (A1617)
 Anti-PD-1 Antibody (A1384)