

Anti-Mouse CD160 SAFIRE Purified

Catalogue Number : 12712-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: CNX46-3
Format/Conjugate: SAFIRE Purified
Concentration: 1.0 mg/mL
Reactivity: Mouse
Laser: Not Applicable
Peak Emission: Not Applicable
Peak Excitation: Not Applicable
Filter: Not Applicable
Brightness (1=dim,5=brightest): Not Applicable
Isotype: Rat IgG2a, kappa
Formulation: Phosphate-buffered aqueous solution, pH7.2.
Storage: Product should be kept at 2-8°C.
Applications: FC, FA, IP, WB

Description

The CNX46-3 monoclonal antibody specifically binds to mouse CD160, a glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein. It is reported to regulate NK cell activation and is expressed on a subset of T, NKT, NK cells, and all intestinal intraepithelial lymphocytes. CD160 broadly binds to classical and nonclassical MHC class I molecules.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Maeda, M., Carpenito, C., Russell, R. C., Dasanjh, J., Veinotte, L. L., Ohta, H., ... Takei, F. (2005). Murine CD160, Ig-like receptor on NK cells and NKT cells, recognizes classical and nonclassical MHC class I and regulates NK cell activation.; *The Journal of Immunology*,;175(7), 4426-4432.
2. Anumanthan, A., Bensussan, A., Boumsell, L., Christ, A. D., Blumberg, R. S., Voss, S. D., ... Freeman, G. J. (1998). Cloning of BY55, a novel Ig superfamily member expressed on NK cells, CTL, and intestinal intraepithelial lymphocytes.; *The Journal of Immunology*,;161(6), 2780-2790.
3. Fons, P., Chabot, S., Cartwright, J. E., Lenfant, F., L'Faqihi, F., Giustiniani, J., ... Le Bouteiller, P. (2006). Soluble HLA-G1 inhibits angiogenesis through an apoptotic pathway and by direct binding to CD160 receptor expressed by endothelial cells.; *Blood*,;108(8), 2608-2615.