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Technical Data Sheet

Anti-Human CD279 (PD-1) SAFIRE Purified

Catalog Number :31821-25

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

Product Information

Clone: J116

Format/Conjugate: SAFIRE Purified

Concentration: 1.0 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, ph7.2.

Storage: Product should be kept at 2-8°C.

Applications: FA

Description

The J116 monoclonal antibody specifically reacts with human Programmed death-1 (PD-1 or CD279), a 50-55 kDA glycoprotein. It is expressed on mainly on activated B, T, and myeloid cells. Within the cytoplasmic region, PD-1 contains an Immunoreceptor tyrosine-based inhibitory motif (ITIM) and seems to regulate peripheral tolerance. The lack or mutation of CD279 is linked to autoimmune disorders.The J116 antibody does not block the binding of the PD-1 ligand, but does inhibit the PD-1 signal transduction.

Preparation & Storage

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

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

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2. Xiao, W., Jiang, L. F., Deng, X. Z., Zhu, D. Y., Pei, J. P., Xu, M. L., ... Yue, M. (2015). PD-1/PD-L1 signal pathway participates in HCV F protein-induced T cell dysfunction in chronic HCV infection.;Immunologic research, 1-12.

3. Taglauer, E. S., Trikhacheva, A. S., Slusser, J. G., Petroff, M. G. (2008). Expression and function of PDCD1 at the human maternal-fetal interface.Biology of reproduction,;79(3), 562-569.

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