

Anti-Mouse CD172a (SIRP alpha) SAFIRE Purified

Catalog Number :14812-25

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

Product Information

Clone: P84

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 IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

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

Applications: FC, FA

Description

The P84 monoclonal antibody specifically reacts with mouse CD172a, a type I transmembrane protein otherwise known as the signal-regulatory protein alpha. It is an adhesion molecules expressed on dendritic cells, monocytes, macrophages, and neuronal tissue. It is reported to be involved in regulating the phagocytic activity of macrophages and mediating neural synaptic activity. The P84 antibody is reported to have neutralizing capability.

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

- 1.Liu, K., Victora, G. D., Schwickert, T. A., Guernonprez, P., Meredith, M. M., Yao, K., ... Nussenzweig, M. (2009). In vivo analysis of dendritic cell development and homeostasis.;Science,;324(5925), 392-397.
2. Mi, Z. P., Jiang, P., Weng, W. L., Lindberg, F. P., Narayanan, V., Lagenaur, C. F. (2000). Expression of a synapse-associated membrane protein, P84/SHPS-1, and its ligand, IAP/CD47, in mouse retina.;Journal of Comparative Neurology,;416(3), 335-344.
3. Chuang, W., Lagenaur, C. F. (1990). Central nervous system antigen P84 can serve as a substrate for neurite outgrowth.;Developmental biology,;137(2), 219-232.