

Anti-Rat CD8b SAFIRE Purified

Catalog Number :10113-25

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

Product Information

Clone: 341

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/mL

Reactivity: Rat

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: FC, FA

Description

The 341 monoclonal antibody specifically reacts with the beta chain of the Rat CD8 molecule. The alpha and beta chains of the CD8 molecule form a heterodimer common on most thymocytes. The CD8 positive T cells of athymic rats and most NK cells express a homodimer composed solely of CD8a. It is reported that macrophages express CD8 alpha and beta chains for signal transduction. CD8 is an antigen co-receptor that interacts with MHC class I molecules on antigen-presenting cells.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.

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.Hirji, N., Lin, T. J., Bissonnette, E., Belosevic, M., Befus, A. D. (1998). Mechanisms of macrophage stimulation through CD8: macrophage CD8α and CD8β induce nitric oxide production and associated killing of the parasite Leishmania major.;The Journal of Immunology.;160(12), 6004-6011.
2. Hirji, N., Lin, T. J., Befus, A. D. (1997). A novel CD8 molecule expressed by alveolar and peritoneal macrophages stimulates nitric oxide production.;The Journal of Immunology.;158(4), 1833-1840.
3. Torres-Nagel, N., Kraus, E., Brown, M. H., Tiefenthaler, G., Mitnacht, R., Williams, A. F., Hünig, T. (1992). Differential thymus dependence of rat CD8 isoform expression.;European journal of immunology.;22(11), 2841-2848.