Enabling Science through Innovation

Technical Data Sheet

Anti-Mouse Perforin APC

Catalog Number :84812-80

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

Product Information

Clone: OMAK-D

Format/Conjugate: APC

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Red (635 -655nm)

Peak Emission: 660nm

Peak Excitation: 650nm

Filter: 660/20

Brightness (1=dim,5=brightest): 5

Isotype: IgG2a, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The OMAK-D monoclonal antibody reacts with mouse perforin, a 70kDA cytolytic protein also known as PFP, Cytolysin and PRF. It is expressed in the cytoplasmic granules of cytotoxic T lymphocytes (CTL) and NK cells and used to mediate targeted cell lysis. The OMAK-D antibody is cross-reactive with human perforin.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

1.Opferman, J. T., Ober, B. T., Ashton-Rickardt, P. G. (1999). Linear differentiation of cytotoxic effectors into memory T lymphocytes.;Science,283(5408), 1745-1748.

2. Walsh, C. M., Matloubian, M., Liu, C. C., Ueda, R., Kurahara, C. G., Christensen, J. L., ... Clark, W. R. (1994). Immune function in mice lacking the perforin gene.;Proceedings of the National Academy of Sciences,;91(23), 10854-10858.

3. Fehniger, T. A., Cai, S. F., Cao, X., Bredemeyer, A. J., Presti, R. M., French, A. R., Ley, T. J. (2007). Acquisition of murine NK cell cytotoxicity requires the translation of a pre-existing pool of granzyme B and perforin mRNAs.Immunity,;26(6), 798-811.

email: info@bio-gems.com | domain: www.bio-gems.com | phone: 818.338.3312 | fax: 818.338.3316