

## Anti-Mouse Granzyme B PE

Catalog Number :72212-60

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

### Product Information

**Clone:** NGZB

**Format/Conjugate:** PE

**Concentration:** 0.2 mg/mL

**Reactivity:** Mouse

**Laser:** Blue (488nm), Yellow/Green (532-561nm)

**Peak Emission:** 578nm

**Peak Excitation:** 496nm

**Filter:** 585/40

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

**Isotype:** Rat 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 NGZB monoclonal antibody specifically reacts with mouse Granzyme B, a protease found in the granules of NK and killer T cells. Granzyme B is utilized by cytotoxic T cells to rapidly induce target cell death through the mannose 6-phosphate death receptor. The NGZB antibody does not recognize human Granzyme B.

### 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. Smyth, M. J., Trapani, J. A. (1995). Granzymes: exogenous proteases that induce target cell apoptosis.; *Immunology today*;,16(4), 202-206.
2. Kapp, J. A., Honjo, K., Kapp, L. M., yan Xu, X., Cozier, A., Bucy, R. P. (2006). TCR transgenic CD8+ T cells activated in the presence of TGFβ express FoxP3 and mediate linked suppression of primary immune responses and cardiac allograft rejection.; *International immunology*;,18(11), 1549-1562.