

TECHNICAL DATA SHEET

CyFlow™ Granzyme B Purified Anti-Hu; Clone CLB-GB11

REF CC765505

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Granzyme B
Alternative Names	—
Clone	CLB-GB11
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human, Non-Human Primates
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Human NK cell line YT-INDY-derived granzyme B

Specificity

The mouse monoclonal antibody CLB-GB11 recognizes granzyme B, a 31 kDa serine protease expressed in activated Tc cells and NK cells.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry

Storage Buffer

The reagent is provided in Tris buffered saline (TBS) solution, pH ≈8.0, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

Granzyme B is a serine protease that is expressed in cytoplasmic granules of cytotoxic T lymphocytes and NK cells. Vectorial secretion of perforin and granzymes is responsible for their granule-mediated cytotoxicity. Granzyme B plays a pivotal role in the induction of apoptosis in the target cells by activation of caspases. Moreover, granzyme B was reported to cleave directly α -tubulin, leading to perturbation of microtubule networks during the induced cell death.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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