SONY

Product Data Sheet

Alexa Fluor® 647 anti-human Granzyme K

Catalog # / Size: 2452515 / 25 tests
2452520 / 100 tests

Clone: GM26E7

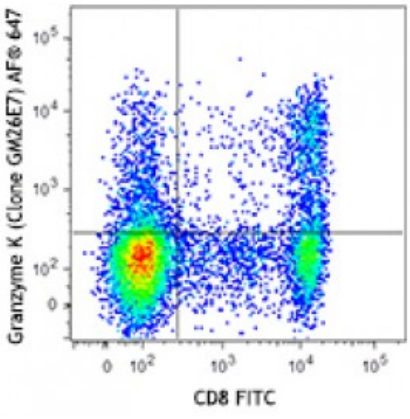
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: 0.2



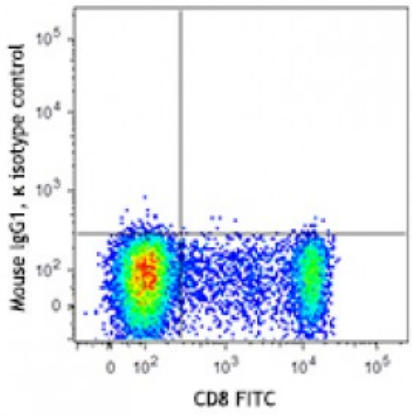
Human peripheral blood lymphocytes were stained with CD8 FITC, fixed, permeabilized, and intracellularly stained with Granzyme K (clone GM26E7) Alexa Fluor® 647 (top) or mouse IgG1, κ Alexa Fluor® 647 isotype control.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.



Description: Granzyme K is a 29 kD serine protease found in cytoplasmic granules of cytotoxic lymphocytes and NK cells. Granzyme K is thought to induce cell death and lysis in response to non-self antigens on the cell surface by cleaving nucleosome assembly protein SET. Granzyme K is upregulated in several diseases associated with inflammation including arthritis, atherosclerosis, and asthma.

Antigen References:

1. Vrazo AC*, et al.* 2015. *Blood* 126.
2. Cooper DM, *et al.* 2011. *PLoS. One* 6.
3. Wensink AC, *et al.* 2015. *J. Immunol.* 194:491.
4. Zhao T, *et al.* 2007. *Cell Death Differ.* <