

APC/Fire™ 750 anti-human Perforin

Catalog # / Size: 2366590 / 100 tests
2366585 / 25 tests

Clone: B-D48

Isotype: Mouse IgG1

Immunogen: Human CXCR5-transfected cells

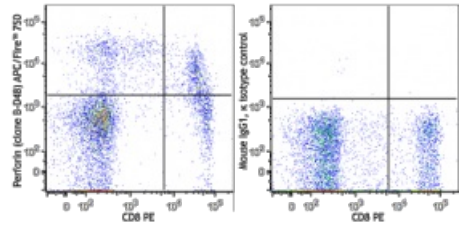
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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

Workshop Number: HCDM listed

Concentration: Lot-specific



Human peripheral blood lymphocytes were surface stained with CD8 PE, fixed with fixation buffer, permeabilized with intracellular staining permeabilization wash buffer and then intracellularly stained with Perforin (clone B-D48) APC/Fire™ 750 (left), or mouse IgG1, κ APC/Fire™ 750 isotype control (right).

Applications:

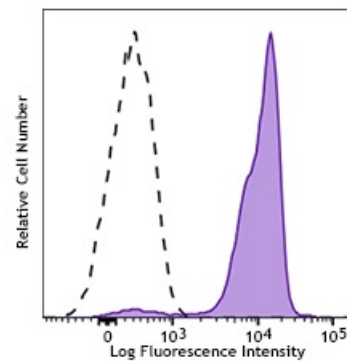
Applications: Intracellular Staining for Flow Cytometry

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 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Application Notes: Clone HA58 recognizes an epitope located in the extracellular D1 domain of CD54.³

- Application References:**
1. Tsujisaki M, *et al.* 1991. *Clin. Exp. Immunol.* 85:3.
 2. Kanwar JR, *et al.* 2003. *Cancer Gene Ther.* 10:468.
 3. Kohka H, *et al.* 1998. *J. Leukoc. Biol.* 64:519.



Human peripheral blood granulocytes were stained with True-Stain Monocyte Blocker™ (Cat. No. 426103) and Siglec-9 (clone K8) APC/Fire™ 750 (filled histogram) or mouse IgG1, κ isotype control APC/Fire™ 750 (open histogram).

Description: Perforin is a 70 kD cytolytic protein that is expressed in the cytoplasmic granules of cytotoxic T lymphocytes (CTLs) and natural killer (NK) cells. Perforin is one of the major effector molecules used by cytotoxic T cells and NK cells to mediate targeted cell lysis.

Antigen
References: 1. Lieberman J. 2003. *Nat. Rev. Immunol.* 3:361.
2. Trapani J, *et al.* 2002. *Nat. Rev. Immunol.* 2:735.