

PE/Fire™ 744 anti-mouse CD95 (Fas) Antibody

Catalog# / Size	152631 / 25 µg 152632 / 100 µg
Clone	SA367H8
Regulatory Status	RUO
Other Names	Fas, ALPS1A, APO-1, APT1
Isotype	Mouse IgG1, κ
Description	CD95, also known as Fas, is an approximately 45 kD type I transmembrane protein belonging to the TNFR superfamily (TNFRSF6). The expression of CD95 has been described in various organs, such as thymus, spleen, liver, heart, lung and ovary. Upon ligand (FasL) binding, CD95 forms the death-inducing signaling complex (DISC) intracellularly and induce apoptosis of the cell. CD95-induced apoptosis plays important roles in development, as well as in maintaining peripheral tolerance of the immune system.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Mouse Fas Transfectants
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Fire™ 744 under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. True-Stain Monocyte Blocker™ (Cat No. 426102) is recommended to minimize non-specific staining of PE/Fire™ 744 on monocytes and macrophages. * PE/Fire™ 744 has a maximum excitation of 565 nm and a maximum emission of 744 nm.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)

Antigen Details

Structure	CD95 (Fas) is an approximately 45 kD type I transmembrane protein; cysteine-rich domain, death domain.
Distribution	Thymus, spleen, liver, heart, lung, and ovary.

Function	Induction of apoptosis.
Interaction	Caspase 8, caspase 10, CFLAR, FADD, PDCD6, SUMO1, and TNFRSF6.
Ligand/Receptor	FasL
Biology Area	Apoptosis/Tumor Suppressors/Cell Death, Cell Biology, Immunology
Molecular Family	CD Molecules

Antigen References

1. Ogasawara J, *et al.* 1995. *J Exp Med.* 181:485-91.
2. Ogasawara J, *et al.* 1993. *Nature.* 364:806-9.
3. Nishimura Y, *et al.* 1995. *J Immunol.* 154:4395-403.

Gene ID

[14102](#)

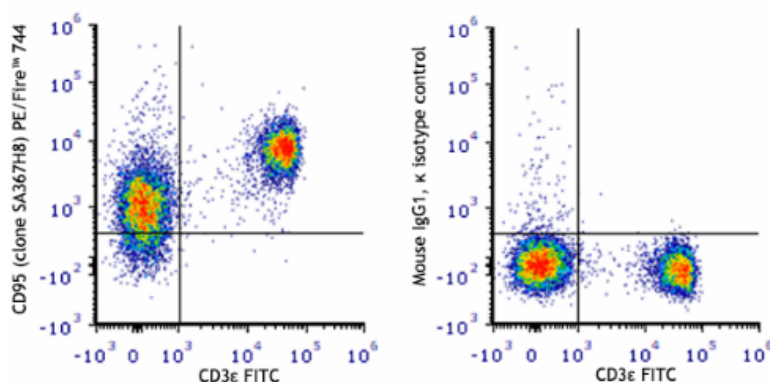
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE/Cyanine7 anti-mouse CD95 (Fas), Alexa Fluor® 647 anti-mouse CD95 (Fas), TotalSeq™-B0917 anti-mouse CD95 (Fas), APC/Fire™ 810 anti-mouse CD95 (Fas), PE/Dazzle™ 594 anti-mouse CD95 (Fas), Purified anti-mouse CD95 (Fas), PE anti-mouse CD95 (Fas), Brilliant Violet 605™ anti-mouse CD95 (Fas), PerCP/Fire™ 780 anti-mouse CD95 (Fas), PE/Fire™ 744 anti-mouse CD95 (Fas), Spark YG™ 581 anti-mouse CD95 (Fas) (Flexi-Fluor™), Spark YG™ 593 anti-mouse CD95 (Fas) (Flexi-Fluor™), Spark NIR™ 685 anti-mouse CD95 (Fas) (Flexi-Fluor™), FITC anti-mouse CD95 (Fas), APC anti-mouse CD95 (Fas), PerCP/Cyanine5.5 anti-mouse CD95 (Fas), TotalSeq™-A0917 anti-mouse CD95 (Fas), TotalSeq™-C0917 anti-mouse CD95 (Fas), PE/Fire™ 640 anti-mouse CD95 (Fas), Spark PLUS UV395™ anti-mouse CD95 (Fas) (Flexi-Fluor™)

Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse CD3ε (clone 145-2C11) FITC and anti-mouse CD95 (Fas) (clone SA367H8) PE/Fire™ 744 (left) or mouse IgG1, κ isotype control (right).

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