

APC/Cyanine7 anti-human CD95 (Fas) Antibody

Catalog# / Size	305635 / 25 tests 305636 / 100 tests
Clone	DX2
Regulatory Status	RUO
Workshop	VI C-64
Other Names	Fas, APO-1, TNFRSF6
Isotype	Mouse IgG1, κ
Description	CD95 is a 45 kD single chain type I glycoprotein also known as Fas, APO-1, and TNFRSF6. It is a member of the TNF receptor superfamily. CD95 is expressed on T and B lymphocytes, monocytes, neutrophils, and fibroblasts. CD95 expression is upregulated by activation. The extracellular region of CD95 binds to CD178 (Fas ligand). CD178 binding to CD95 induces apoptosis and has been shown to play a role in the maintenance of peripheral tolerance.

Product Details

Verified Reactivity	Human, Cynomolgus, Rhesus
Reported Reactivity	African Green, Baboon, Capuchin Monkey, Chimpanzee, Common Marmoset, Cotton-topped Tamarin, Pigtailed Macaque, Sooty Mangabey
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	CD95 transfected L cells
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
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 5 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.
Excitation Laser	Red Laser (633 nm)
Application Notes	The DX2 antibody is useful for inducing apoptosis of Fas-positive cells. Additional reported applications (for the relevant formats) include: <i>in vitro</i> induction of apoptosis ³ (DX2 antibody is required to be cross-linked for effective induction of apoptosis) and immunohistochemical staining ^{4,5} of acetone-fixed frozen tissue sections and formalin-fixed paraffin-embedded tissue sections. The Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 305655 and 305656). Note: EOS9.1 antibody can induce apoptosis without cross-linking.
Additional Product Notes	BioLegend is in the process of converting the name APC/Cy7 to APC/Cyanine7. The dye molecule remains the same, so you should expect the same quality and performance from our APC/Cyanine7 products. Please contact Technical Service if you have any questions.
Application References	1. Schlossman S, <i>et al.</i> Eds.1995. Leucocyte Typing V. Oxford University Press. New York.

(PubMed link indicates BioLegend citation)

2. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. New York.
3. Cifone M, *et al.* 1994. *J. Exp. Med.* 180:1547. (Apop)
4. Zietz C, *et al.* 2001. *Am. J. Pathol.* 159:963. (IHC)
5. Sergi C, *et al.* 2000. *Am. J. Pathol.* 156:1589. (IHC)
6. Xie S, *et al.* 2010. *J. Immunol.* 184:2289. (FC) [PubMed](#)
7. Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)
8. Sestak K, *et al.* 2007. *Vet. Immunol. Immunopathol.* 119:21.
9. Rout N, *et al.* 2010. *PLoS One* 5:e9787. (FC)
10. Dixit N, *et al.* 2012. *J. Immunol.* 189:5954. [PubMed](#)

Product Citations

1. Frasca D, *et al.* 2019. *PLoS One.* 14:e0219545. [PubMed](#)
2. Frasca D, *et al.* 2021. *Front Immunol.* 616650:12. [PubMed](#)

RRID

AB_2566108 (BioLegend Cat. No. 305635)
AB_2566111 (BioLegend Cat. No. 305636)

Antigen Details

Structure	TNFR superfamily, type I transmembrane protein, 45 kD
Distribution	T cells and B cells, monocytes, neutrophils, fibroblasts, expression level upregulated on activated lymphocytes
Function	Mediates apoptosis
Ligand/Receptor	Fas ligand (CD178)
Cell Type	B cells, Fibroblasts, Lymphocytes, Monocytes, Neutrophils, T cells
Biology Area	Apoptosis/Tumor Suppressors/Cell Death, Cell Biology, Immunology, Neuroscience
Molecular Family	CD Molecules
Antigen References	1. Krammer P, <i>et al.</i> 1994. <i>Immunol. Rev.</i> 142:175. 2. Nagata S, <i>et al.</i> 1995. <i>Science</i> 267:1449.
Gene ID	355

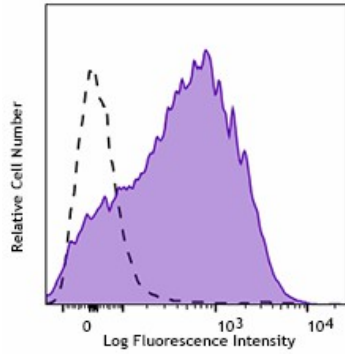
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

APC anti-human CD95 (Fas), Biotin anti-human CD95 (Fas), FITC anti-human CD95 (Fas), PE anti-human CD95 (Fas), PE/Cyanine5 anti-human CD95 (Fas), Purified anti-human CD95 (Fas), Alexa Fluor® 488 anti-human CD95 (Fas), Alexa Fluor® 647 anti-human CD95 (Fas), Brilliant Violet 421™ anti-human CD95 (Fas), Pacific Blue™ anti-human CD95 (Fas), PE/Cyanine7 anti-human CD95 (Fas), Brilliant Violet 605™ anti-human CD95 (Fas), PerCP/Cyanine5.5 anti-human CD95 (Fas), Purified anti-human CD95 (Fas) (Maxpar® Ready), PE/Dazzle™ 594 anti-human CD95 (Fas), APC/Fire™ 750 anti-human CD95 (Fas), APC/Cyanine7 anti-human CD95 (Fas), Brilliant Violet 510™ anti-human CD95 (Fas), Brilliant Violet 711™ anti-human CD95 (Fas), Brilliant Violet 785™ anti-human CD95 (Fas), Brilliant Violet 650™ anti-human CD95 (Fas), Alexa Fluor® 700 anti-human CD95 (Fas), TotalSeq™-A0156 anti-human CD95 (Fas), TotalSeq™-C0156 anti-human CD95 (Fas), TotalSeq™-B0156 anti-human CD95 (Fas), Ultra-LEAF™ Purified anti-human CD95 (Fas), TotalSeq™-D0156 anti-human CD95 (Fas), PE/Fire™ 640 anti-human CD95 (Fas), KIRAVIA Blue 520™ anti-human CD95 (Fas), APC/Fire™ 810 anti-human CD95 (Fas) Antibody

Product Data



Human peripheral blood lymphocytes were stained with CD95 (Fas) (clone DX2) APC/Cyanine7 (filled histogram) or Mouse IgG1, ? APC/Cyanine7 isotype control (open histogram).

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