

CD95 (APO-1/Fas) Monoclonal Antibody (DX2), PE-Cyanine5, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Dog, Human
Published Species	Non-human primate, Mouse, Human, Rhesus monkey
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	DX2
Conjugate	PE-Cyanine5
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11042290

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.5 µg)/test	9 Publications

Product Specific Information

Description: The DX2 monoclonal antibody reacts with human CD95 (Fas, Apo-1), a 40-50 kDa member of the TNFR superfamily. CD95 is expressed by a broad range of hematopoietic and non-hematopoietic cells including monocytes, neutrophils, lymphocytes and fibroblasts. Interaction of CD95 on mature lymphocytes with its ligand (FasL) induces apoptosis and is thought to be important in peripheral tolerance. DX2 does not block binding of EOS9.1, another antibody specific for human CD95.

The DX2 monoclonal is reported to recognize dog/canine CD95.

Applications Reported: The DX2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This DX2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency

/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 667 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

9 References

Flow Cytometry (9)

Oncotarget

Transmembrane TNF- promotes activation-induced cell death by forward and reverse signaling.

"Published figure using CD95 (APO-1/Fas) monoclonal antibody (Product # 15-0959-42) in Flow Cytometry"

Authors: Zhang M,Wang J,Jia L,Huang J,He C,Hu F,Yuan L,Wang G,Yu M,Li Z

Species
Not Applicable

Dilution
Not Cited

Year
2017

Experimental and therapeutic medicine

Abnormal phenotypic features of IgM+B cell subsets in patients with chronic hepatitis C virus infection.

"Published figure using CD95 (APO-1/Fas) monoclonal antibody (Product # 15-0959-42) in Flow Cytometry"

Authors: Kong F,Feng B,Zhang H,Rao H,Wang J,Cong X,Wei L

Species
Not Applicable

Dilution
Not Cited

Year
2017

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More applications with references on thermofisher.com

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