CD95 (APO-1/Fas) Monoclonal Antibody (DX2), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Dog, Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	DX2
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10670078

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 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: This 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 (0.06 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 10^5 to 10^8 cells/test.

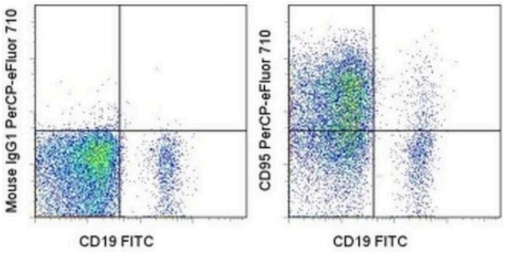
PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

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 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD95 (APO-1/Fas) Monoclonal Antibody (DX2), PerCP-eFluor™ 710, eBioscience™



CD95 (APO-1/Fas) Antibody (46-0959-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD19 FITC (Product # 11-0199-42) and Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (Product # 46-4714-82) (left) or Anti-Human CD95 PerCP-eFluor® 710 (right). Cells in the lymphocyte gate were used for analysis.

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9 References

Flow Cytometry (9)

European journal of immunology

Broadly reactive human CD4$^+$ T cells against Enterobacteriaceae are found in the naïve repertoire and are clonally expanded in the memory repertoire.

"46-0959 was used in Flow cytometry/Cell sorting to demonstrate that a large fraction of memory Th cell clones was broadly cross-reactive to several Enterobacteriaceae species."

Authors: Cassotta A,Goldstein JD,Durini G,Jarrossay D,Baggi Menozzi F,Venditti M,Russo A,Falcone M,Lanzavecchia A,Gagliardi MC,Latorre D,Sallusto F

Year
2021

Species
Human

The Journal of experimental medicine

Deciphering and predicting CD4+ T cell immunodominance of influenza virus hemagglutinin.

"46-0959 was used in Flow cytometry/Cell sorting to show the presence of a broad repertoire of naive T cells specific for cryptic H1-HA peptides and demonstrate that antigen processing represents a major constrain determining immunodominance."

Authors: Cassotta A,Paparoditis P,Geiger R,Mettu RR,Landry SJ,Donati A,Benevento M,Foglierini M,Lewis DJM, Lanzavecchia A,Sallusto F

Year
2020

Species
Human

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More applications with references on thermofisher.com