

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

Product Details	
Size	100 µg
Species	Dog, Human
Published Species	Human, Mouse, Rhesus monkey
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	DX2
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_467397

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	9 Publications
Functional Assay (FN)	Assay-Dependent	-
Immunohistochemistry (IHC)	Assay-Dependent	1 Publication
ChIP assay (ChIP)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Western Blot (WB)	-	1 Publication

## 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.

**Applications Reported:** The DX2 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining. DX2 has also been reported in in vitro studies of Fas-induced apoptosis. EOS9.1 is recommended for induction of apoptosis in vitro .

**Applications Tested:** The DX2 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2  $\mu\text{m}$  post-manufacturing filtered.

## 13 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 # 14-0959-82) 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 # 14-0959-82) 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

[View more Flow references on thermofisher.com](#)

### Immunofluorescence (1)

#### Proceedings of the National Academy of Sciences of the United States of America

#### Genetic disruption of oncogenic Kras sensitizes lung cancer cells to Fas receptor-mediated apoptosis.

"Published figure using CD95 (APO-1/Fas) monoclonal antibody (Product # 14-0959-82) in Flow Cytometry"

Authors: Mou H,Moore J,Malonia SK,Li Y,Ozata DM,Hough S,Song CQ,Smith JL,Fischer A,Weng Z,Green MR,Xue W

#### Species

Human  
Mouse  
Not Applicable

#### Dilution

Not Cited  
Not Cited  
Not Cited

#### Year

2017

### ChIP assay (1)

#### Oncotarget

#### Oncogenic Ras suppresses ING4-TDG-Fas axis to promote apoptosis resistance.

"Published figure using CD95 (APO-1/Fas) monoclonal antibody (Product # 14-0959-82) in ChIP assay"

Authors: Sun J,Shen Q,Lu H,Jiang Z,Xu W,Feng L,Li L,Wang X,Cai X,Jin H

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2015

### More applications with references on thermofisher.com

[WB \(1\)](#)

[IHC \(1\)](#)

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