

# Product Data Sheet

## Purified anti-human CD95 (FAS)

**Catalog # / Size:** 305702 / 100 µg

**Clone:** EOS9.1

**Isotype:** Mouse IgM, κ

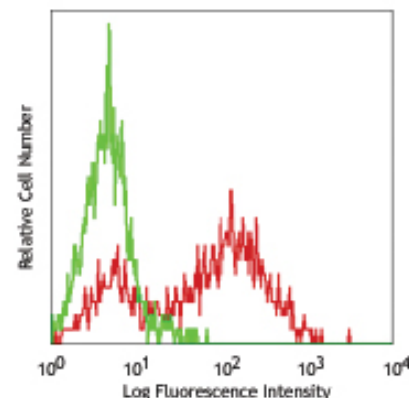
**Reactivity:** Human

**Preparation:** This antibody is at >85% purity.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes stained with purified EOS9.1, followed by anti-mouse IgM PE

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 2.0 µg per 10<sup>6</sup> cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: *in vitro* induction of apoptosis. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 305704).

**Application References:** 1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. New York.  
 2. Raja SM, *et al.* 2008. *Mol Cancer Theor.* PubMed  
 3. Zhang P, *et al.* 2007. *J Immunol.* 178:474. PubMed

**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. The EOS9.1 antibody is useful for inducing apoptosis of Fas-positive cells.

**Antigen References:** 1. Krammer P, *et al.* 1994. *Immunol. Rev.* 142:175.  
 2. Nagata S, *et al.* 1995. *Science* 267:1449.

### Related Products:

Product	Clone	Application
Purified anti-human CD95 (FAS)	DX2	FC, IF, IHC
Purified anti-human CD178 (Fas-L)	NOK-1	FC, ICC, IF, IP, WB
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Purified Mouse IgM, κ Isotype Ctrl	MM-30	FC, ICFC, ICC, IF



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