

Product Information

Contents: Functional Grade Purified anti-human CD95 (Fas/APO-1)

Catalog Number: 16-0958

Sizes: 50 ug, 500 ug

Formulation: Phosphate buffer pH 7.2,
500 mM NaCl, No NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

KEEP CONTENT STERILE.

Endotoxin Level: Less than 0.01 ng/ug antibody, as determined by the LAL assay.

Clone: EOS9.1

Isotype: Mouse IgM, κ

HLDA No.: N/A

[<click here>](#) to view QC data of current lot.

Available Formats of This Product				
Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
14-0958	Affinity Purified anti-human CD95 (Fas/APO-1)	N/A	N/A	FA FC
16-0958	Functional Grade* Purified anti-human CD95 (Fas/APO-1)	N/A	N/A	FA FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

Description

The EOS9.1 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, activated lymphocytes and fibroblasts. Interaction of CD95 on mature lymphocytes with its ligand (FasL) induces apoptosis and is thought to be important in peripheral tolerance. EOS9.1 does not block binding of DX2, another antibody specific for human CD95.

Usage

For research use only, not for diagnostic or therapeutic use. The EOS9.1 antibody has been reported for use in flow cytometric analysis. EOS9.1 is also effective in inducing apoptosis in *in vitro* functional studies. Please visit the following website to view a protocol for apoptosis induction with EOS9.1:

<http://www.ebioscience.com/ebioscience/appls/Apop.htm>

Applications Tested

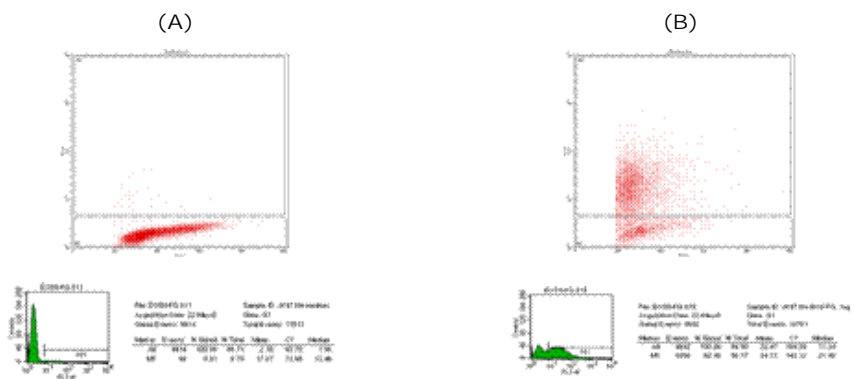
The EOS9.1 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes and has also been tested for its ability to induce apoptosis of Jurkat cells. This can be used at less than or equal to 1 μg per 100 μl blood (or per 1 million cells in 100 μl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

- Cat. 14-0958 Affinity Purified anti-human CD95 (Fas/APO-1) (clone EOS9.1)
- Cat. 11-0959 FITC anti-human CD95 (Fas/APO-1) (clone DX2)
- Cat. 12-0959 PE anti-human CD95 (Fas/APO-1) (clone DX2)
- Cat. 13-0959 Biotin anti-human CD95 (Fas/APO-1) (clone DX2)
- Cat. 14-0959 Affinity Purified anti-human CD95 (Fas/APO-1) (clone DX2)
- Cat. 15-0959 PE-Cy5 anti-human CD95 (Fas/APO-1) (clone DX2)
- Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
- Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
- Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
- Cat. 11-5790 Fluorescein (FITC) anti-mouse IgM (clone II/41)

References

Kishimoto, T., H. Kikutani, et.al., eds. 1998. Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing Inc. London



Jurkat cells were treated for 6 hours with medium alone (plot A) or 0.1ug/ml Functional Grade Purified EOS9.1 (plot B). Induction of apoptosis in these cells was determined by staining with PI and anti-BrdU-FITC using the Apo-BrdUTM kit (cat# 88-6671). As shown in plot B, approximately 60% of cells underwent Fas-induced apoptosis following antibody treatment.