



11-753-C100

Monoclonal Antibody to CD95 / Fas Purified Antibody (0.1 mg)

Clone:	EOS9.1
Isotype:	Mouse IgM
Specificity:	The mouse monoclonal antibody EOS9.1 recognizes CD95 (Fas/APO-1), a 46 kDa glycoprotein of the tumour necrosis factor/nerve growth factor (TNF/NGF) receptor superfamily, expressed on a variety of normal and neoplastic cells.
Regulatory Status:	RUO
Immunogen:	P815 cells transfected with human CD95
Species Reactivity:	Human
Application:	Functional Application in vitro induction of apoptosis
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by precipitation and chromatography
Concentration:	1 mg/ml
Storage Buffer:	Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD95 (Fas, APO-1), a 46 kDa transmembrane glycoprotein, is a cell death receptor of the TNFR superfamily. Stimulation of CD95 results in aggregation of its intracellular death domains, formation of the death-inducing signaling complex (DISC) and activation of caspases. In type I cells caspase 3 is activated by high amounts of caspase 8 generated at the DISC, in type II cells low concentration of caspase 8 activates pathway leading to the release of cytochrome c from mitochondria and activation of caspase 3 by cytochrome c. Besides its roles in induction of apoptosis, Fas also triggers pro-inflammatory cytokine responses.
References:	*Conejo-Garcia JR, Benencia F, Courreges MC, Gimotty PA, Khang E, Buckanovich RJ, Frauwirth KA, Zhang L, Katsaros D, Thompson CB, Levine B, Coukos G: Ovarian carcinoma expresses the NKG2D ligand Letal and promotes the survival and expansion of CD28- antitumor T cells. <i>Cancer Res.</i> 2004 Mar 15;64(6):2175-82. *Kasper HU, Konze E, Kern M, Stippel DL: CD95 and TNF-induced apoptosis in liver metastases of colorectal carcinoma. <i>In Vivo.</i> 2010 Sep-Oct;24(5):653-7. *Matsuoka K, Kim HT, McDonough S, Bascug G, Warshauer B, Koreth J, Cutler C, Ho VT, Alyea EP, Antin JH, Soiffer RJ, Ritz J: Altered regulatory T cell homeostasis in patients with CD4+ lymphopenia following allogeneic hematopoietic stem cell transplantation. <i>J Clin Invest.</i> 2010 May;120(5):1479-93 *Desbarats J, Birge RB, Mimouni-Rongy M, Weinstein DE, Palerme JS, Newell MK: Fas engagement induces neurite growth through ERK activation and p35 upregulation. <i>Nat Cell Biol.</i> 2003 Feb;5(2):118-25.

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Antibodies

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