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CD178 Antibody [NOK-1] (Biotin)

CATALOG NUMBER: 76-937

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The NOK-1 monoclonal antibody specifically reacts with human CD178, which is the CD95 or Fas ligand.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION:	0.5 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	Biotin

Additional Info

ALTERNATE NAMES:	APTL, FASL, CD178, CD95L, ALPS1B, CD95-L, TNFSF6, APT1LG1, FASLG
OFFICIAL SYMBOL:	FASLG
GENE ID:	356

Background

BACKGROUND:	The NOK-1 monoclonal antibody specifically reacts with human CD178, which is the CD95 or Fas ligand. CD178 is a TNF superfamily type II transmembrane glycoprotein expressed by activated T and NK cells and is involved in Fas-mediated apoptosis of lymphocytes. CD178 is also expressed by monocytes, neutrophils, granulocytes and the parenchymal cells of the retina and cornea. The NOK-1 antibody has been reported to bind to COOH-terminus of the Fas ligand in the region associated with Fas binding.
REFERENCES:	1) Kayagaki, N., Kawasaki, A., Ebata, T., Ohmoto, H., Ikeda, S., Inoue, S., ... Yagita, H. (1995). Metalloproteinase-mediated release of human Fas ligand.The Journal of experimental medicine,182(6), 1777-1783.
	2) Oyaizu, N., Adachi, Y., Hashimoto, F., McCloskey, T. W., Hosaka, N., Kayagaki, N., ... Pahwa, S. (1997). Monocytes express Fas ligand upon CD4 cross-linking and induce CD4+ T cells apoptosis: a possible mechanism of bystander cell death in HIV infection.The Journal of Immunology,158(5), 2456-2463.
	3) Villunger, A., Egle, A., Marschitz, I., Kos, M., Bck, G., Ludwig, H., ... Greil, R. (1997). Constitutive expression of Fas (Apo-1/CD95) ligand on multiple myeloma cells: a potential mechanism of tumor-induced suppression of immune surveillance.Blood,90(1), 12-20.

December 13, 2016