



Mouse Anti-Human CD95

Cat. No.	Format	Size
9735-01	Purified (UNLB)	0.1 mg
9735-02	Fluorescein (FITC)	100 tests
9735-08	Biotin (BIOT)	100 tests
9735-09	R-phycoerythrin (PE)	100 tests
9735-11	Allophycocyanin (APC)	100 tests
9735-13	Spectral Red® (SPRD)	100 tests
9735-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg

Overview

Clone	DX3
Isotype	Mouse (C3H/He) IgG _{2a} K
Immunogen	Human CD95 transfected L cells
Specificity	Human/Rat CD95, Mr 45 kDa
Alternate Name(s)	APO-1, Fas, TNFRSF6
Workshop	N/A

Description

CD95, also known as Fas and APO-1, is a 45 kDa type I transmembrane glycoprotein and a member of the tumor necrosis factor receptor superfamily. It is expressed by activated lymphocytes, monocytes, neutrophils, fibroblasts, and cell lines. Fas ligand binding to CD95 induces apoptosis in activated mature lymphocytes thereby playing a role in maintaining peripheral tolerance.

Applications

FC – Quality tested ¹
 IHC-PS – Reported in literature ^{2,3}
 ELISA – Reported in literature ⁴

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 µg/10 ⁶ cells
	FITC, BIOT, PE, APC and SPRD conjugates	10 µL/10 ⁶ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

1. Lanier LL, Chang C, Phillips JH. Human NKR-P1A. A disulfide-linked homodimer of the C-type lectin superfamily expressed by a subset of NK and T lymphocytes. *J Immunol.* 1994;153:2417-28. (Immunogen, FC)
2. Jacob T, Ascher E, Hingorani A, Kallakuri S. Glycine prevents the induction of apoptosis attributed to mesenteric ischemia/reperfusion injury in a rat model. *Surgery.* 2003;134:457-66. (IHC-PS, Rat Reactivity)
3. Miñambres E, Ballesteros MA, Mayorga M, Marin MJ, Muñoz P, Figols J, et al. Cerebral apoptosis in severe traumatic brain injury patients: an in vitro, in vivo, and postmortem study. *J Neurotrauma.* 2008;25:581-91. (IHC-PS)
4. Jodo S, Kobayashi S, Kayagaki N, Ogura N, Feng Y, Amasaki Y, et al. Serum levels of soluble Fas/APO-1 (CD95) and its molecular structure in patients with systemic lupus erythematosus (SLE) and other autoimmune diseases. *Clin Exp Immunol.* 1997;107:89-95. (ELISA)

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Spectral Red® is a PE/CY5 tandem conjugate.

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