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# CD178 Antibody [NOK-1] (APC)

CATALOG NUMBER: 76-939

## Specifications

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|---|---|
| **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

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| **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:** | 5 uL (0.25ug) / test |
| **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:** | APC |

## Additional Info

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

## Background

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| **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) Stber, E., Neurath, M., Calderhead, D., Perry Fell, H., Strober, W. (1995). Cross-linking of OX40 ligand, a member of the TNF/NGF cytokine family, induces proliferation and differentiation in murine splenic B cells.Immunity,2(5), 507-521. |
| | 2) Akiba, H., Oshima, H., Takeda, K., Atsuta, M., Nakano, H., Nakajima, A., ... Okumura, K. (1999). CD28-independent costimulation of T cells by OX40 ligand and CD70 on activated B cells.The Journal of Immunology,162(12), 7058-7066. |
| | 3) Calderhead, D. M., Buhlmann, J. E., Van den Eertwegh, A. J., Claassen, E., Noelle, R. J., Fell, H. P. (1993). Cloning of mouse Ox40: a T cell activation marker that may mediate TB cell interactions.The Journal of Immunology,151(10), 5261-5271. |

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