biogems
Creating Value for Life Science Research

Technical Data Sheet

Anti-Human CD178 (Fas-L) SAFIRE Purified

Catalogue Number : 20811-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: NOK-1
Format/Conjugate: SAFIRE Purified
Concentration: 2.0 mg/mL
Reactivity: Human
Laser: Not Applicable
Peak Emission: Not Applicable
Peak Excitation: Not Applicable
Filter: Not Applicable
Brightness (1=dim,5=brightest): Not Applicable
Isotype: Mouse IgG1, kappa
Formulation: Phosphate-buffered aqueous solution, ph7.2.
Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.
Applications: FC, FA

Description

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.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

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., Böck, 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.

email: info@bio-gems.com | domain: www.bio-gems.com | phone: 818.338.3312 | fax: 818.338.3316

Not for further distribution without written consent. Copyright © 2014 BioGems, Inc.