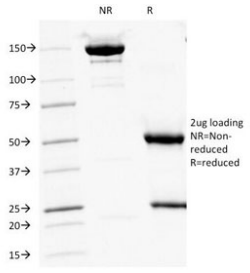
CD16 Antibody [clone HuNK2] (V2499)

Catalog No.	Formulation	Size
V2499-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2499-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2499SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (8)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	HuNK2
Purity	Protein G affinity chromatography
UniProt	P08637
Localization	Cell surface
Applications	Functional studies (order BSA/sodium azide-free format) Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml
Limitations	This CD16 antibody HuNK2 is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free CD16 Antibody HuNK2. Confirmation of Integrity and Purity of the Antibody.

Description

CD16 Antibody HuNK2 recognizes a protein of 50-65 kDa, identified as CD16 (Workshop IV; Code N39) (also known low affinity Fc receptor III for IgG (FcRIII) or Leu 11). CD16 exists as a polypepetide-anchored from (FCRIIIA or CD16A) on human natural killer (NK) cells and monocytes/ macrophages and as a glycosylphosphatidylinositol (GPI)-anchored form (FcRIIIB or CD16B) on neutrophils. CD16B is polymorphic and the two alleles are termed NA1 and NA2.3 CD16 plays a role in signal transduction, NK cell activation and antibody-dependent cellular cytotoxicity. This mAb has been showed to inhibit the binding of immune complex to NK cells, inhibit cytotoxicity of NK cells, and induce calcium fluxes in NK cells and neutrophils.

Researchers studying Fc-mediated immune signaling, natural killer cell biology, and antibody-dependent cellular cytotoxicity may also benefit from the CD16 Antibody / Fc Gamma Receptor III Immune Marker page featuring immunohistochemistry, immunofluorescence, and flow cytometry validation data for endogenous FCGR3 detection.

Application Notes

Optimal dilution of the CD16 antibody HuNK2 should be determined by the researcher.

Immunogen

Human peripheral blood lymphocytes from a NK-leukemia patient were used as the immunogen for the CD16 antibody.

Storage

Store the CD16 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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