

NKp46/NCR1 Protein, Human (Biotinylated, HEK293, His)

Cat. No.:	HY-P78832
Synonyms:	NCR1; LY94; CD335; NK-p46; hNKp46
Species:	Human
Source:	HEK293
Accession:	O76036 (Q22-N254)
Gene ID:	9437
Molecular Weight:	35-45 kDa

PROPERTIES

Biological Activity	Immobilized Biotinylated Human NKp46 Protein His at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Anti-NKP46 Antibody Human IgG1 with a linear range of 0.1-1 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.22 µm filtered solution of PBS, pH 7.4. Normally trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The NKp46/NCR1 protein serves as a cytotoxicity-activating receptor, potentially enhancing the efficacy of activated natural killer (NK) cells in mediating the lysis of tumor cells. This receptor interacts with CD247 and FCER1G, playing a pivotal role in the signaling pathways associated with NK cell activation and cytotoxicity against target cells. NKp46/NCR1 contributes to the intricate regulatory network involved in the recognition and elimination of target cells by activated NK cells, highlighting its importance in immune surveillance and anti-tumor responses.
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Caution: Product has not been fully validated for medical applications. For research use only.

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