2B4/CD244 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P78366
Synonyms:	2B4; CD244 antigen; CD244; h2B4; NAIL; NKR2B4; Nmrk; SLAMF4
Species:	Human
Source:	HEK293
Accession:	Q9BZW8-2 (C22-R221)
Gene ID:	51744
Molecular Weight:	68-78 kDa

PROPERTIES

Biological Activity	Immobilized Human CD48, His Tag at 1 μg/mL (100 μl/well) on the plate. Dose response curve for Human 2B4, hFc Tag with the EC_{50} of ≤0.45 μg/mL determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 μm filtered solution in 20 mM Tris, 150 mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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 2B4/CD244 protein demonstrates a higher affinity for binding to CD48 compared to isoform 1, and this interaction results in heightened cytotoxicity and intracellular calcium release. The stronger binding between 2B4/CD244 and CD48 suggests a more robust engagement, potentially leading to enhanced cellular responses, including increased cytotoxic activity and release of intracellular calcium.

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