

## 2B4/CD244 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78052
Synonyms:	2B4; CD244 antigen; CD244; h2B4; NAIL; NKR2B4; Nmrk; SLAMF4
Species:	Human
Source:	HEK293
Accession:	Q9BZW8-2 (C22-R221)
Gene ID:	51744
Molecular Weight:	48-70 kDa

### PROPERTIES

Biological Activity	Immobilized Biotinylated Human 2B4, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human CD48, hFc Tag with the EC <sub>50</sub> of 7.2ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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