

## 2B4/CD244 Protein, Human (200a.a, HEK293, His)

Cat. No.:	HY-P72745
Synonyms:	Natural killer cell receptor 2B4; NAIL; NKR2B4; h2B4; SLAMF4; CD244; 2B4
Species:	Human
Source:	HEK293
Accession:	Q9BZW8-2 (C22-R221)
Gene ID:	51744
Molecular Weight:	35-60 kDa

### PROPERTIES

AA Sequence	<p>C Q G S A D H V V S    I S G V P L Q L Q P    N S I Q T K V D S I    A W K K L L P S Q N</p> <p>G F H H I L K W E N    G S L P S N T S N D    R F S F I V K N L S    L L I K A A Q Q Q D</p> <p>S G L Y C L E V T S    I S G K V Q T A T F    Q V F V F D K V E K    P R L Q G Q G K I L</p> <p>D R G R C Q V A L S    C L V S R D G N V S    Y A W Y R G S K L I    Q T A G N L T Y L D</p> <p>E E V D I N G T H T    Y T C N V S N P V S    W E S H T L N L T Q    D C Q N A H Q E F R</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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 <sub>2</sub> O.
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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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