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Datasheet for ABIN6720218

## 2B4 ELISA Kit

### 1 Image

#### Overview

Quantity:	1 kit
Target:	2B4 (CD244)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 2B4, C9.1, CD244, CD244 antigen, CD244 Molecule natural killer cell receptor 2B4, CD244 natural killer cell receptor 2B4, CD244_HUMAN, h2B4, Ly90, Natural killer cell activation-inducing ligand, Natural killer cell receptor 2B4, NK cell activation inducing ligand, NK cell activation inducing ligand NAIL, NK cell activation-inducing ligand, NK cell type I receptor protein 2B4, NKR2B4, Nmrk, Non-MHC restricted killing associated, p38, signaling lymphocytic activation molecule 4, SLAM family member 4, SLAMF4</p> <p>Background: CD244(Cluster of Differentiation 244) is a human protein encoded by the CD244 gene. It is also known as Natural Killer Cell Receptor 2B4. Members of the CD2 family adhere to</p>

## Product Details

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each other instead, the cell surface glycoprotein 2B4 is related to CD2 and is implicated in the regulation of NK- and T-cell function. The 2B4 gene was mapped to 1q22 on gene map, where SLAM, CD48, CD84 and LY9 are also located. Using recombinant human NK cell-activating ligand 2B4 fused to domains 3 and 4 of rodent Cd4 and flow cytometric analysis, it was found that CD48 binds to 2B4. BIAcore surface plasmon resonance analysis showed that the affinity of CD48 for 2B4 is approximately 10-fold higher than that shown for CD48 and CD2.

Gene Name: CD244

Production: Natural and recombinant human CD244. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: C22-R221

## Target Details

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Target:	2B4 (CD244)
Alternative Name:	CD244 - 2B4 ( <a href="#">CD244 Products</a> )
Gene ID:	51744
NCBI Accession:	<a href="#">NP_001160135</a>
UniProt:	<a href="#">Q9BZW8</a>

## Application Details

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Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human CD244 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human CD244 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

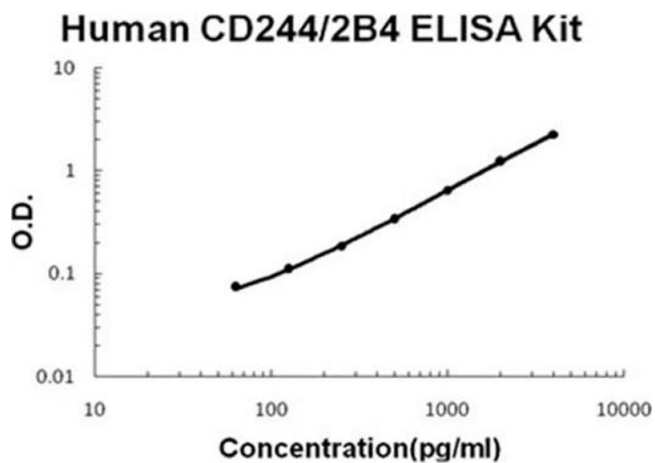
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

## Images



### ELISA

**Image 1.** Human CD244/2B4 Accusignal ELISA Kit Human CD244/2B4 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.