

Human CD244/2B4 ELISA Kit | CD244 elisa kit

Human CD244/2B4 PicoKine ELISA Kit

CATALOG #
AAA45566

REACTIVITY
Human

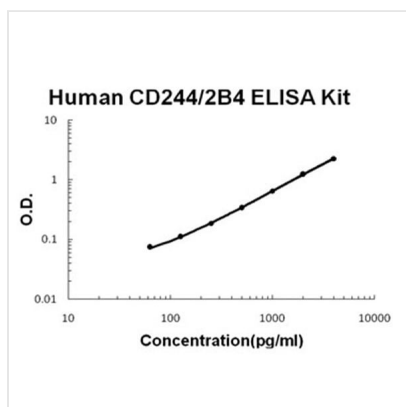
PRODUCT SYNONYMS

CD244/2B4; Human CD244/2B4 PicoKine ELISA Kit; Natural killer cell receptor 2B4; CD244 molecule; natural killer cell receptor 2B4; 2B4; C9.1; CD244; CD244 antigen; CD244 molecule natural killer cell receptor 2B4; CD244 natural killer cell receptor 2B4; CD244_HUMAN; F730046O15Rik; h2B4; Ly90; Natural killer cell activation-inducing ligand; 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; OTTHUMP00000027884; p38; signaling lymphocytic activation molecule 4; SLAM family; member 4; SLAMF4; CD244 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CD244
Sequence Length	370
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CD244/2B4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD244 elisa kit	Principle of the assay: human CD244 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD244 has been precoated onto 96-well plates. Standards(NSO, C22-R221) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD244 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CD244 amount of sample captured in plate. 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47605541
NCBI GeneID	51744
UniProt Accession #	Q9BZW8; Q5VYI2; Q5VYI6; Q5VYI7; Q96T47; Q9NQD2; Q9NQD3; Q9Y288
Molecular Weight	30,784 Da
NCBI Official Full Name	Natural killer cell receptor 2B4
NCBI Official Synonym Full Names	CD244 molecule, natural killer cell receptor 2B4
NCBI Official Symbol	CD244
NCBI Official Synonym Symbols	2B4; NAIL; Nmrk; NKR2B4; SLAMF4
NCBI Protein Information	natural killer cell receptor 2B4; h2B4; SLAM family member 4; NK cell activation-inducing ligand; NK cell type I receptor protein 2B4; NK cell activation inducing ligand NAIL; signaling lymphocytic activation molecule 4
UniProt Protein Name	Natural killer cell receptor 2B4
UniProt Gene Name	CD244
UniProt Synonym Gene Names	2B4; NAIL; NKR2B4; h2B4; SLAMF4
UniProt Entry Name	CD244_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.