

ARG81779 Human CD244 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81779-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81779-002	Standard	2 X 10 ng/vial	4°C
ARG81779-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81779-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81779-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81779-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81779-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81779-008	25X Wash buffer	20 ml	4°C
ARG81779-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81779-010	STOP solution	10 ml (Ready to use)	4°C
ARG81779-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81779 Human CD244 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD244 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD244
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 7.8%
Alternate Names	NK cell activation-inducing ligand; h2B4; Natural killer cell receptor 2B4; CD antigen CD244; 2B4; NAIL; NKR2B4; SLAM family member 4; Nmrk; SLAMF4; Signaling lymphocytic activation molecule 4; NK cell type I receptor protein 2B4

Application Instructions

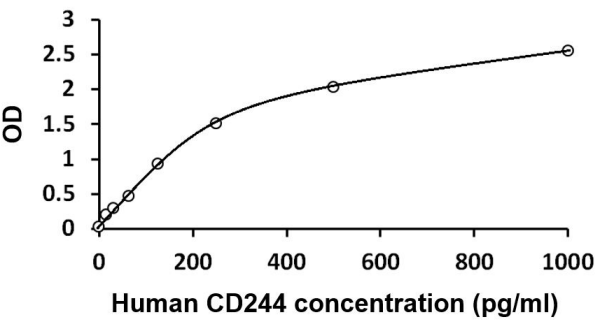
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CD244
Gene Full Name	CD244 molecule, natural killer cell receptor 2B4
Background	This gene encodes a cell surface receptor expressed on natural killer (NK) cells (and some T cells) that mediate non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via this receptor is thought to modulate NK-cell cytolytic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009]
Function	Modulate other receptor-ligand interactions to enhance leukocyte activation. CD244/2B4 is the only heterophilic receptor of SLAM family. [UniProt]
Highlight	Related products: CD244 antibodies ; CD244 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-linked glycosylation is essential for the binding to its ligand CD48. Also O-glycosylated, in contrast, O-linked sialylation has a negative impact on ligand binding. Phosphorylated by FYN and CSK on tyrosine residues following activation. Coligation with inhibitory receptors such as KIR2DL1 inhibits phosphorylation upon contact of NK cells with sensitive target cells. [UniProt]



ARG81779 Human CD244 ELISA Kit standard curve image

ARG81779 Human CD244 ELISA Kit results of a typical standard run with optical density reading at 450 nm.