

Human COLEC12 ELISA Kit | COLEC12 elisa kit

Human COLEC12 ELISA Kit PicoKine

CATALOG # AAA126725	REACTIVITY Human	APPLICATIONS ELISA
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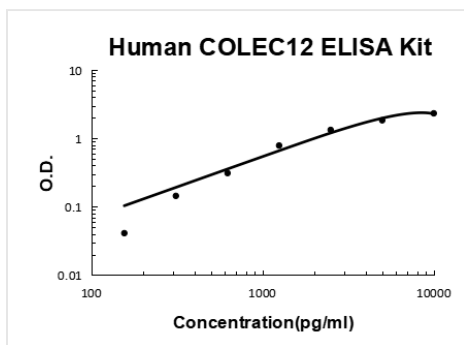
PRODUCT SYNONYMS

COLEC12; Human COLEC12 ELISA Kit PicoKine; COLEC12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human COLEC12
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for COLEC12 elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human COLEC12 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for COLEC12 elisa kit	Background: Collectin-12, also known as collectin subfamily member 12, is a collectin protein that in humans is encoded by the COLEC12 gene.This gene encodes a member of the C-lectin family, proteins that possess collagen-like sequences and carbohydrate recognition domains. This protein is a scavenger receptor that displays several functions associated with host defense. It can bind to carbohydrate antigens on microorganisms, facilitating their recognition and removal. It also mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein by vascular endothelial cells. Principle of the Assay: The Picokine™ Human COLEC12 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human COLEC12 with a 96-well strip plate that is pre-coated with antibody specific for COLEC12. The detection antibody is a biotinylated antibody specific for COLEC12. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human COLEC12 protein as standards. To measure Human COLEC12, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human COLEC12 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human COLEC12 in the sample.
Product Categories/Family for COLEC12 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	18641360
NCBI GeneID	81035
NCBI Accession #	NP_569057
NCBI GenBank Nucleotide #	NM_130386
UniProt Accession #	Q5KU26; Q6P9F2; Q8TCR2; Q8WZA4; Q9BY85; Q9BYH7
Molecular Weight	81,515 Da
NCBI Official Full Name	collectin-12
NCBI Official Synonym Full Names	collectin sub-family member 12
NCBI Official Symbol	COLEC12
NCBI Official Synonym Symbols	CLP1; NSR2; SRCL; SCARA4
NCBI Protein Information	collectin-12; collectin placenta protein 1; hCL-P1; nurse cell scavenger receptor 2; scavenger receptor class A, member 4; scavenger receptor with C-type lectin
UniProt Protein Name	Collectin-12
UniProt Gene Name	COLEC12
UniProt Synonym Gene Names	CLP1; NSR2; SCARA4; SRCL; CL-P1; hCL-P1
UniProt Entry Name	COL12_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.