

Human Collectin 12 (COLEC12) ELISA Kit | COLEC12 elisa kit

Human Collectin 12 (COLEC12) ELISA Kit

CATALOG #
AAA246739

REACTIVITY
Human

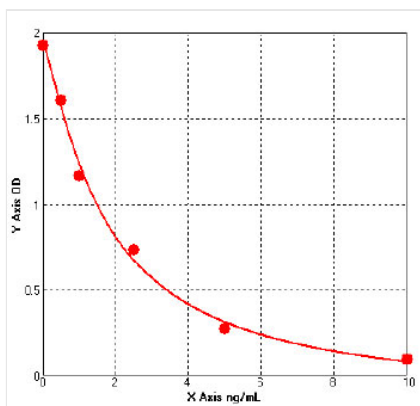
PRODUCT SYNONYMS

Collectin 12 (COLEC12); Human Collectin 12 (COLEC12) ELISA Kit; COLEC12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COLEC12. No significant cross-reactivity or interference between COLEC12 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COLEC12 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COLEC12 elisa kit	Intended Uses: This COLEC12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COLEC12. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: COLEC12 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-COLEC12 antibody and an COLEC12-HRP conjugate. The assay sample and buffer are incubated together with COLEC12-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the COLEC12 concentration since COLEC12 from samples and COLEC12-HRP conjugate compete for the anti-COLEC12 antibody binding site. Since the number of sites is limited, as more sites are occupied by COLEC12 from the sample, fewer sites are left to bind COLEC12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COLEC12 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for COLEC12 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	18641360
NCBI GeneID	81035
NCBI Accession #	NP_569057.1
NCBI GenBank Nucleotide #	NM_130386.2
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; hCL-P1; collectin placenta protein 1; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/collectin-12-colec12/246739>