

Human C type lectin domain family 4 member K (CD207) ELISA Kit | CD207 elisa kit

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CATALOG #
AAA245555

REACTIVITY
Human

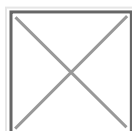
PRODUCT SYNONYMS

C type lectin domain family 4 member K (CD207); Human C type lectin domain family 4 member K (CD207) ELISA Kit; CD207 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CD207. No significant cross-reactivity or interference between CD207 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD207 elisa kit

Principle of the Assay: CD207 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD207 antibody and an CD207-HRP conjugate. The assay sample and buffer are incubated together with CD207-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 CD207 concentration since CD207 from samples and CD207-HRP conjugate compete for the anti-CD207 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD207 from the sample, fewer sites are left to bind CD207-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD207 concentration in each sample is interpolated from this standard curve.

Intended Uses: This CD207 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD207. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for CD207 elisa kit

[Immunology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	557357745
NCBI GeneID	50489
NCBI Accession #	NP_056532.4
NCBI GenBank Nucleotide #	NM_015717.4
Molecular Weight	36,725 Da
NCBI Official Full Name	C-type lectin domain family 4 member K
NCBI Official Synonym Full Names	CD207 molecule, langerin
NCBI Official Symbol	CD207
NCBI Official Synonym Symbols	CLEC4K
NCBI Protein Information	C-type lectin domain family 4 member K; CD207 antigen, langerin; Langerhans cell specific c-type lectin; C-type lectin domain family 4, member K
UniProt Protein Name	C-type lectin domain family 4 member K
UniProt Gene Name	CD207
UniProt Synonym Gene Names	CLEC4K
UniProt Entry Name	CLC4K_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/c-type-lectin-domain-family-4-member-k-cd207/245555>