

Human Leukocyte Common Antigen ELISA Kit | LCA/CD45 elisa kit

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CATALOG #
AAA101074

REACTIVITY
Human

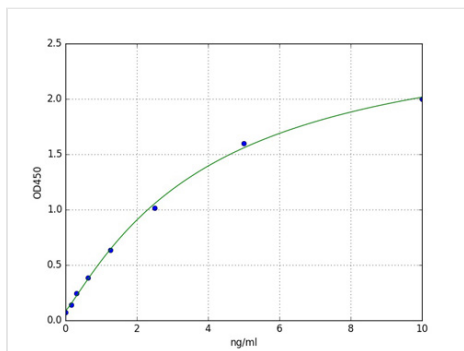
PRODUCT SYNONYMS

Leukocyte Common Antigen; Human Leukocyte Common Antigen ELISA Kit; LCA/CD45/CD45/LCA/PTPRC/T200 Glycoprotein/B220/CD45 antigen/CD45R/EC 3.1.3.48/L-CA/LY5/protein tyrosine phosphatase; receptor type; C/receptor-type tyrosine-protein phosphatase C/T200 glycoprotein/T200 leukocyte common antigen/T200receptor type; c polypeptide; LCA/CD45 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	47
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human LCA ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.043	0.206	0.333	0.547	1.010	1.310	1.809	2.090

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCA/CD45 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human LCA antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human LCA antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 LCA amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human LCA can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	553521
NCBI GeneID	5788
Molecular Weight	130,898 Da
NCBI Official Full Name	leukocyte common antigen, partial
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type C
NCBI Official Symbol	PTPRC
NCBI Official Synonym Symbols	LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180
NCBI Protein Information	receptor-type tyrosine-protein phosphatase C
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	PTPRC
UniProt Synonym Gene Names	CD45; L-CA
UniProt Entry Name	PTPRC_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/lca-cd45-human-elisa-kits/leukocyte-common-antigen/101074>