

Human LCA5 (Lebercilin) ELISA Kit | LCA5 elisa kit

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CATALOG #
AAA250736

REACTIVITY
Human

PRODUCT SYNONYMS

LCA5 (Lebercilin); Human LCA5 (Lebercilin) ELISA Kit; Lebercilin; Leber congenital amaurosis 5 protein; LCA5; LCA5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LCA5. No significant cross-reactivity or interference between LCA5 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
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

ADDITIONAL INFORMATION

Related Product Information for LCA5 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	170650672
NCBI GeneID	167691
NCBI Accession #	NP_001116241.1
NCBI GenBank Nucleotide #	NM_001122769.2
UniProt Accession #	Q86VQ0; Q9BWX7; E1P542
Molecular Weight	80,554 Da
NCBI Official Full Name	Lebercilin
NCBI Official Synonym Full Names	Leber congenital amaurosis 5

NCBI Official Symbol	LCA5
NCBI Official Synonym Symbols	C6orf152
NCBI Protein Information	Lebercilin; leber congenital amaurosis 5 protein
UniProt Protein Name	Lebercilin
UniProt Gene Name	LCA5
UniProt Synonym Gene Names	C6orf152
UniProt Entry Name	LCA5_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://www.aaabiotech.com/human-elisa-kits/lca5-lebercilin/250736>