

Mouse Calcium-activated chloride channel regulator 1 (CLCA1) ELISA Kit | CLCA1 elisa kit

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CATALOG #
AAA244470

REACTIVITY
Mouse

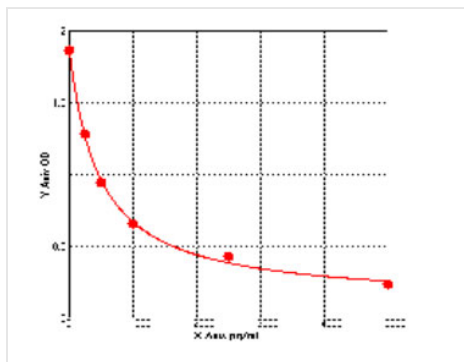
PRODUCT SYNONYMS

Calcium-activated chloride channel regulator 1 (CLCA1); Mouse Calcium-activated chloride channel regulator 1 (CLCA1) ELISA Kit; CLCA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CLCA1. No significant cross-reactivity or interference between CLCA1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CLCA1 and all the analogues, therefore, cross reaction may still exist in some cases.
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 CLCA1 elisa kit	Principle of the Assay: CLCA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CLCA1 antibody and an CLCA1-HRP conjugate. The assay sample and buffer are incubated together with CLCA1-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 CLCA1 concentration since CLCA1 from samples and CLCA1-HRP conjugate compete for the anti-CLCA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLCA1 from the sample, fewer sites are left to bind CLCA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLCA1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CLCA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CLCA1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CLCA1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611231
NCBI GeneID	1179
NCBI Accession #	NP_001276.2
NCBI GenBank Nucleotide #	NM_001285.3
Molecular Weight	100,226 Da
NCBI Official Full Name	calcium-activated chloride channel regulator 1
NCBI Official Synonym Full Names	chloride channel accessory 1
NCBI Official Symbol	CLCA1
NCBI Official Synonym Symbols	CACC; GOB5; CACC1; CLCRG1; CaCC-1; hCLCA1; hCaCC-1
NCBI Protein Information	calcium-activated chloride channel regulator 1; calcium-dependent chloride channel-1; calcium-activated chloride channel protein 1; CLCA family member 1, chloride channel regulator; calcium-activated chloride channel family member 1; chloride channel, calcium activated, family member 1
UniProt Protein Name	Calcium-activated chloride channel regulator 1
UniProt Gene Name	CLCA1
UniProt Synonym Gene Names	CACC1; hCLCA1; CaCC-1; hCaCC-1
UniProt Entry Name	CLCA1_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://stage.aaabiotech.com/mouse-elisa-kits/calcium-activated-chloride-channel-regulator-1-clca1/244470>