

Mouse Chloride Channel Protein 1 ELISA Kit | CLC1 elisa kit

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CATALOG #
AAA85285

REACTIVITY
Mouse

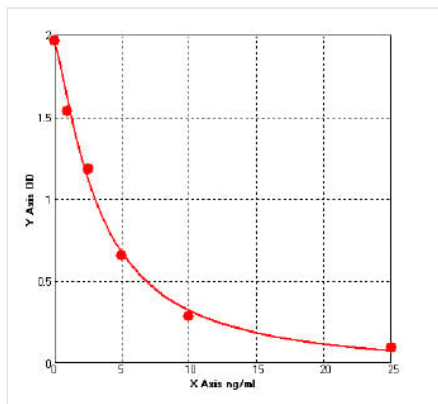
PRODUCT SYNONYMS

Chloride Channel Protein 1; Mouse Chloride Channel Protein 1 ELISA Kit; CLC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CLCN1. No significant cross-reactivity or interference between CLCN1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CLCN1 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	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 CLC1 elisa kit	Principle of the Assay: CLCN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CLCN1 antibody and an CLCN1-HRP conjugate. The assay sample and buffer are incubated together with CLCN1-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 CLCN1 concentration since CLCN1 from samples and CLCN1-HRP conjugate compete for the anti-CLCN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLCN1 from the sample, fewer sites are left to bind CLCN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLCN1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CLCN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CLCN1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CLC1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119433677
NCBI GeneID	1180
NCBI Accession #	NP_000074.2
NCBI GenBank Nucleotide #	NM_000083.2
Molecular Weight	108,626 Da
NCBI Official Full Name	chloride channel protein 1
NCBI Official Synonym Full Names	chloride channel, voltage-sensitive 1
NCBI Official Symbol	CLCN1
NCBI Official Synonym Symbols	CLC1
NCBI Protein Information	chloride channel protein 1; cIC-1; chloride channel 1, skeletal muscle; chloride channel protein, skeletal muscle
UniProt Protein Name	Chloride channel protein 1
UniProt Gene Name	CLCN1
UniProt Synonym Gene Names	CLC1; CIC-1
UniProt Entry Name	CLCN1_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/clc1-mouse-elisa-kits/chloride-channel-protein-1/85285>