

Mouse Chloride channel protein 2 (CLCN2) ELISA Kit | CLCN2 elisa kit

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CATALOG #
AAA245862

REACTIVITY
Mouse

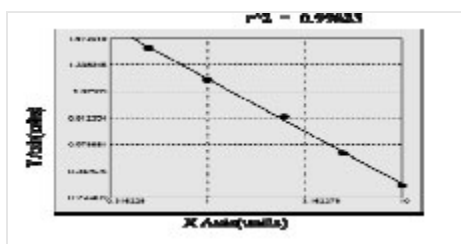
PRODUCT SYNONYMS

Chloride channel protein 2 (CLCN2); Mouse Chloride channel protein 2 (CLCN2) ELISA Kit; CLCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 CLCN2 elisa kit

Intended Uses: This CLCN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CLCN2. This ELISA kit for research use only!

Principle of the Assay: CLCN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CLCN2 antibody and an CLCN2-HRP conjugate. The assay sample and buffer are incubated together with CLCN2-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 CLCN2 concentration since CLCN2 from samples and CLCN2-HRP conjugate compete for the anti-CLCN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLCN2 from the sample, fewer sites are left to bind CLCN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLCN2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CLCN2 elisa kit

[Neurobiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	283806616
NCBI GeneID	1181
NCBI Accession #	NP_001164558.1
NCBI GenBank Nucleotide #	NM_001171087.2
Molecular Weight	95,399 Da
NCBI Official Full Name	chloride channel protein 2 isoform 2
NCBI Official Synonym Full Names	chloride channel, voltage-sensitive 2
NCBI Official Symbol	CLCN2
NCBI Official Synonym Symbols	CLC2; ECA2; ECA3; EGI3; EGMA; EJM6; EJM8; CIC-2; EGI11; LKPAT; cIC-2
NCBI Protein Information	chloride channel protein 2; chloride channel 2
UniProt Protein Name	Chloride channel protein 2
UniProt Gene Name	CLCN2
UniProt Synonym Gene Names	CIC-2
UniProt Entry Name	CLCN2_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/mouse-elisa-kits/chloride-channel-protein-2-clcn2/245862>