

Rat H (+)/Cl (-) Exchange Transporter 5 (CLCN5) ELISA Kit | CLCN5 elisa kit

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CATALOG #
AAA247295

REACTIVITY
Rat

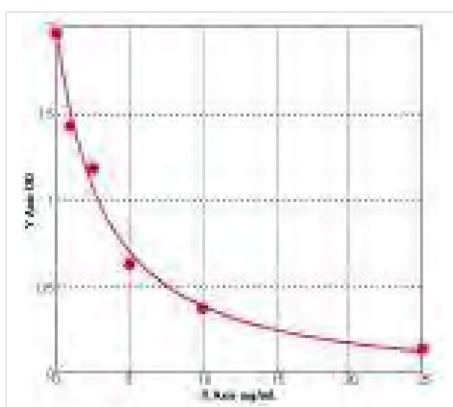
PRODUCT SYNONYMS

H (+)/Cl (-) Exchange Transporter 5 (CLCN5); Rat H (+)/Cl (-) Exchange Transporter 5 (CLCN5) ELISA Kit; CLCN5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CLCN5. No significant cross-reactivity or interference between CLCN5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CLCN5 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	746
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLCN5 elisa kit	Principle of the Assay: CLCN5 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CLCN5 antibody and an CLCN5-HRP conjugate. The assay sample and buffer are incubated together with CLCN5-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 CLCN5 concentration since CLCN5 from samples and CLCN5-HRP conjugate compete for the anti-CLCN5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLCN5 from the sample, fewer sites are left to bind CLCN5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLCN5 concentration in each sample is interpolated from this standard curve. Intended Uses: This CLCN5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CLCN5. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557473
NCBI GeneID	1184
NCBI Accession #	NP_000075.1
NCBI GenBank Nucleotide #	NM_000084.4
UniProt Accession #	P51795; Q5JQD5; Q7RTN8; A1L475; B3KPN6
Molecular Weight	90,785 Da
NCBI Official Full Name	H(+)/Cl(-) exchange transporter 5 isoform b
NCBI Official Synonym Full Names	chloride voltage-gated channel 5
NCBI Official Symbol	CLCN5
NCBI Official Synonym Symbols	XRN; CLC5; XLRH; CLCK2; CIC-5; DENTS; NPHL1; NPHL2; hCIC-K2
NCBI Protein Information	H(+)/Cl(-) exchange transporter 5
UniProt Protein Name	H(+)/Cl(-) exchange transporter 5
UniProt Gene Name	CLCN5
UniProt Synonym Gene Names	CLCK2; CIC-5

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.