

Human 4F2 Cell-surface Antigen Heavy Chain (SLC3A2) ELISA Kit | SLC3A2 elisa kit

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CATALOG #
AAA330811

REACTIVITY
Human

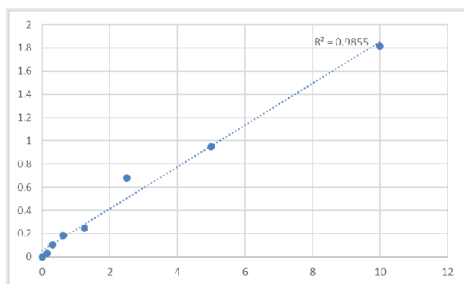
PRODUCT SYNONYMS

4F2 Cell-surface Antigen Heavy Chain (SLC3A2); Human 4F2 Cell-surface Antigen Heavy Chain (SLC3A2) ELISA Kit; SLC3A2; 4F2; 4F2HC; 4T2HC; CD98; CD98HC; MDU1; NACAE; 4F2 cell-surface antigen heavy chain; 4F2 heavy chain; CD98 heavy chain; antigen defined by monoclonal antibody 4F2; heavy chain; antigen identified by mono; SLC3A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human 4F2 cell-surface antigen heavy chain (SLC3A2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC3A2. No significant cross-reactivity or interference between Human SLC3A2 and analogues was observed.
Sequence Length	630
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human 4F2 cell-surface antigen heavy chain (SLC3A2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC3A2 elisa kit	Description: This Human 4F2 cell-surface antigen heavy chain (SLC3A2) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC3A2 in samples. An antibody specific for SLC3A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC3A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC3A2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SLC3A2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SLC3A2 is a member of the solute carrier family and encodes a cell surface, transmembrane protein with an alpha-amylase domain. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. It associates with integrins and mediates integrin-dependent signaling related to normal cell growth and tumorigenesis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Expressed ubiquitously in all tissues tested with highest levels detected in kidney, placenta and testis and weakest level in thymus. During gestation, expression in the placenta was significantly stronger at full-term than at the mid- trimester stage.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	257051063
NCBI GeneID	6520
UniProt Accession #	P08195
NCBI Official Full Name	4F2 cell-surface antigen heavy chain
NCBI Official Synonym Full Names	solute carrier family 3 member 2
NCBI Official Symbol	SLC3A2
NCBI Official Synonym Symbols	4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC
NCBI Protein Information	4F2 cell-surface antigen heavy chain
UniProt Protein Name	4F2 cell-surface antigen heavy chain
UniProt Gene Name	SLC3A2
UniProt Synonym Gene Names	MDU1; 4F2hc

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/human-elisa-kits/4f2-cell-surface-antigen-heavy-chain-slc3a2/330811>