

Human Mammaglobin-A (SCGB2A2) ELISA Kit | SCGB2A2 elisa kit

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CATALOG #
AAA330946

REACTIVITY
Human

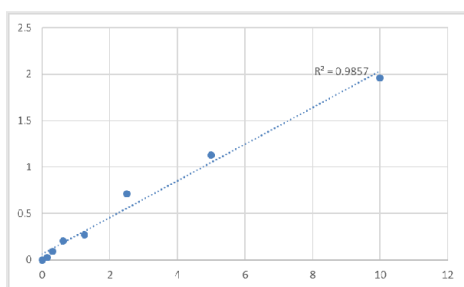
PRODUCT SYNONYMS

Mammaglobin-A (SCGB2A2); Human Mammaglobin-A (SCGB2A2) ELISA Kit; SCGB2A2; MGB1; MGC71974; UGB2; mammaglobin 1; mammaglobin A; SCGB2A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mammaglobin-A (SCGB2A2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SCGB2A2. No significant cross-reactivity or interference between Human SCGB2A2 and analogues was observed.
Sequence Length	93
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 Mammaglobin-A (SCGB2A2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SCGB2A2 elisa kit	Description: This Human Mammaglobin-A (SCGB2A2) ELISA Kit employs a two-site sandwich ELISA to quantitate SCGB2A2 in samples. An antibody specific for SCGB2A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SCGB2A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCGB2A2 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 SCGB2A2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SCGB2A2 is member of the superfamily of secretoglobins, a group of small dimeric secreted and sometimes glycosylated proteins. Expressed mainly in mucosa, secretoglobins seems to be involved in cell signalling, immune response, chemotaxis, and could also serve as transporters for steroid hormones in humans. MGB1 encodes a deduced 93-amino acid protein with a 19-amino acid hydrophobic peptide signal sequence and a predicted molecular mass of 10.5-kD. The protein shares 42% sequence identity with the rat prostatein protein (rPSC3). It also shares high homology with rabbit and human uteroglobin (UGB) genes, including the conservation of cysteines known to play a role in disulfide bond formation between uteroglobin subunits and a conserved tyrosine required for progesterone binding to the uteroglobin dimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505169
NCBI GeneID	4250
NCBI Accession #	NP_002402.1
NCBI GenBank Nucleotide #	NP_002402.1
UniProt Accession #	Q13296
NCBI Official Full Name	mammaglobin-A
NCBI Official Synonym Full Names	secretoglobin family 2A member 2
NCBI Official Symbol	SCGB2A2
NCBI Official Synonym Symbols	MGB1; UGB2
NCBI Protein Information	mammaglobin-A
UniProt Protein Name	Mammaglobin-A
UniProt Gene Name	SCGB2A2
UniProt Synonym Gene Names	MGB1; UGB2
UniProt Entry Name	SG2A2_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.