

Human Mammaglobin-A ELISA Kit | SCGB2A2 elisa kit

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CATALOG #
AAA17574

REACTIVITY
Human

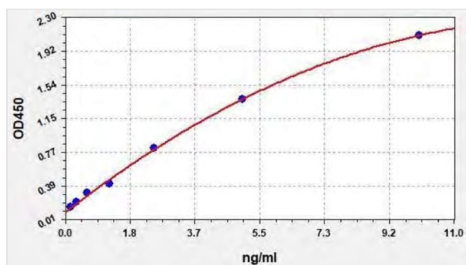
PRODUCT SYNONYMS

Mammaglobin-A; Human Mammaglobin-A ELISA Kit; SCGB2A2/MGB1/UGB2/Mammaglobin-1/Secretoglobin family 2A member 2; SCGB2A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize SCGB2A2, no obvious cross reaction with other analogues
Sequence Length	93
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCGB2A2 elisa kit	Background: Mammaglobin A is a protein that belongs to the secretoglobin superfamily. It has highly specific expression in cells from most breast cancers and may be used to detect circulating or disseminated tumor cells. Mammaglobin A has become one of the most specific markers for breast cancer and for the detection of CTC and micrometastasis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti SCGB2A2 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti SCGB2A2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with SCGB2A2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of SCGB2A2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505169
NCBI GeneID	4250
NCBI Accession #	NP_002402.1
NCBI GenBank Nucleotide #	NM_002411.3
Molecular Weight	10,122 Da
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.