

SCGB3A1 elisa kit

Rat SCGB3A1 PicoKine ELISA Kit

CATALOG #
AAA125117

REACTIVITY
Rat There is no detectable cross-reactivity with other relevant proteins.

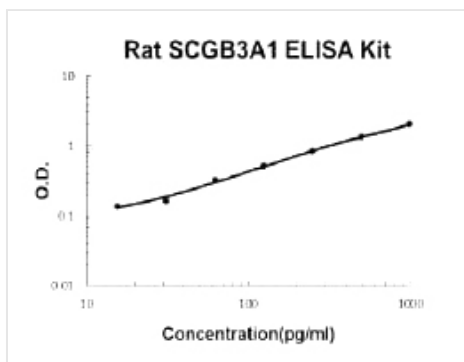
PRODUCT SYNONYMS

SCGB3A1; Rat SCGB3A1 PicoKine ELISA Kit; Rat SCGB3A1; Secretoglobin; family 3A; member 1; Scgb3a1; SCGB3A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Rat S100b
Sequence Length	104
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta, Citrate
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCGB3A1 elisa kit	Principle of the Assay: The Picokine Rat S100b Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat S100b with a 96-well strip plate that is pre-coated with antibody specific for S100b. The detection antibody is a biotinylated antibody specific for S100b. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Rat S100b with immunogen: Expression system for standard: E.coli, Immunogen sequence: S2-E92. The kit is analytically validated with ready to use reagents. To measure Rat S100b, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat S100b in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat S100b in the sample!!Background/Introduction: S100 calcium-binding protein B (S100B) is a protein of the S-100 protein family. S100 proteins are localized in the cytoplasm and nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 20p12. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca2+ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	338418
UniProt Accession #	E9PU36
Molecular Weight	10,527 Da
NCBI Official Synonym Full Names	secretoglobin, family 3A, member 1
NCBI Official Symbol	Scgb3a1
NCBI Official Synonym Symbols	Hin1; Pnsp2; PnSP-2; secretoglobin
NCBI Protein Information	secretoglobin family 3A member 1
UniProt Protein Name	Secretoglobin, family 3A, member 1
UniProt Gene Name	Scgb3a1

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://www.aaabiotech.com/rat-elisa-kits/scgb3a1/125117>