

Mouse S100A13 ELISA Kit | S100a13 elisa kit

Mouse S100A13 PicoKine ELISA Kit

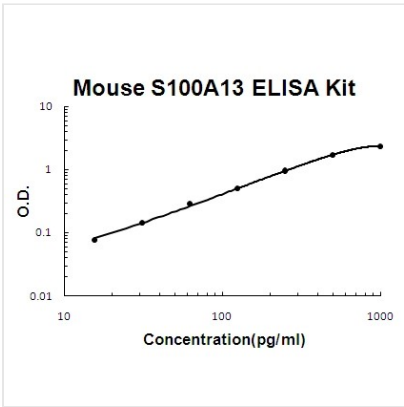
CATALOG # AAA46793	REACTIVITY Mouse
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PRODUCT SYNONYMS

S100A13; Mouse S100A13 PicoKine ELISA Kit; Protein S100 A13; Protein S100-A13; S100 calcium binding protein A13; S100 calcium-binding protein A13; S100a13; S10AD_HUMAN; Q99584; S100a13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse S100A13
Sequence Length	98
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	15-20
Immunogen	E Coli, M1-K98
Sample data	Concentration(pg/ml): 0 15.6 31.2 62.5 125 250 500 1000 O.D.: 0.007 0.075 0.142 0.281 0.491 0.941 1.690 2.279
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml): 16.8 115 491 27 69 302 Standard deviation: 0.64 7.01 20.62 1.21 2.48 21.44 CV(%): 3.8 6.1 4.2 4.5 3.6 7.1
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse S100A13 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, cell lysates, tissue homogenates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse S100A13 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse S100A13 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for S100a13 elisa kit	For quantitative detection of mouse S100A13 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: S100 calcium-binding protein A13 (S100A13) is a protein that in humans is encoded by the S100A13 gene. The characterization of a human gene, S100A13 encodes a calcium-binding protein belonging to the S100 protein family. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. Principle: Mouse S100A13 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Rat specific for S100A13 has been precoated onto 96-well plates. Standards (Expression system for standard: E Coli, Immunogen sequence: M1-K98) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for S100A13 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse S100A13 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2493417
NCBI GeneID	20196
UniProt Accession #	P97352
Molecular Weight	11,158 Da
NCBI Official Full Name	Protein S100-A13
NCBI Official Synonym Full Names	S100 calcium binding protein A13
NCBI Official Symbol	S100a13
NCBI Protein Information	protein S100-A13
UniProt Protein Name	Protein S100-A13
UniProt Gene Name	S100a13

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.

