

Protein S100-A9 ELISA Kit | S100A9 elisa kit

Mouse S100A9 PicoKine ELISA Kit

CATALOG #
AAA46121

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

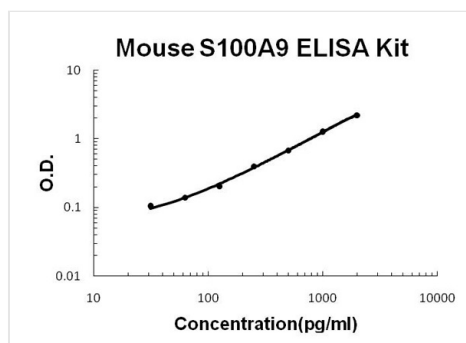
PRODUCT SYNONYMS

Protein S100-A9; Mouse S100A9 PicoKine ELISA Kit; Leukocyte L1 complex heavy chain; 60B8AG; CAGB; Calgranulin B; Calgranulin-B; Calprotectin L1H subunit; CFAG; CGLB; Cystic fibrosis antigen; Cystic fibrosis antigen B; HGNC:10499; L1AG; LIAG; MAC 387; MAC387; MIF; Migration inhibitory factor related protein 14; Migration inhibitory factor-related protein 14; MRP 14; MRP-14; MRP14; Myeloid-related protein 14; NIF; OTTHUMP00000015331; P14; S100 A9; S100 calcium binding protein A9; S100 calcium binding protein A9 calgranulin B; S100 calcium-binding protein A9; S100A9; S10A9_HUMAN; S100A9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse. There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse S100A9
Sequence Length	113
Samples	Cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/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 between 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse S100A9 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for S100A9 elisa kit	Principle of the Assay: Mouse S100A9 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for S100A9 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: A2-K113) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for S100A9 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 S100A9 amount of sample captured in plate. Background/Introduction: Protein S100A9 also known as migration inhibitory factor-related protein 14 (MRP-14) or calgranulin- B is a protein that is encoded by the S100A9 gene. S100A9 is a member of the S100 family of proteins containing 2 EF hand calcium-binding motifs. It is mapped to Chromosome 3 in mouse. S100 proteins are localized in the cytoplasm and/or 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. This protein may function in the inhibition of casein kinase. S100A9 complexes with S100A8, another member of the S100 family of calcium-modulated proteins regulates myeloid cell function by binding to Toll-like receptor-4 (TLR-4) and the receptor for advanced glycation end products.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	529367291
NCBI GeneID	20202
NCBI Accession #	NP_001268781.1
NCBI GenBank Nucleotide #	NM_001281852.1
UniProt Accession #	P31725
Molecular Weight	13,049 Da
NCBI Official Full Name	protein S100-A9
NCBI Official Synonym Full Names	S100 calcium binding protein A9 (calgranulin B)
NCBI Official Symbol	S100a9
NCBI Official Synonym Symbols	p14; Cagb; GAGB; L1Ag; BEE22; MRP14; 60B8Ag; AW546964
NCBI Protein Information	protein S100-A9; S100 calcium-binding protein A9; leukocyte L1 complex heavy chain; migration inhibitory factor-related protein 14
UniProt Protein Name	Protein S100-A9
UniProt Gene Name	S100a9
UniProt Synonym Gene Names	Cagb; Mrp14; MRP-14; p14
UniProt Entry Name	S10A9_MOUSE

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/s100a9-mouse-elisa-kits/protein-s100-a9/46121>