

Mouse Secreted Phospholipase A2 (sPLA2) ELISA Kit | sPLA2 elisa kit

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CATALOG #
AAA332241

REACTIVITY
Mouse

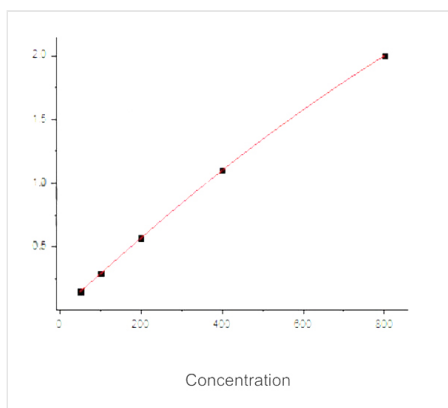
PRODUCT SYNONYMS

Secreted Phospholipase A2 (sPLA2); Mouse Secreted Phospholipase A2 (sPLA2) ELISA Kit; sPLA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Secreted phospholipase A2 (sPLA2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse sPLA2. No significant cross-reactivity or interference between Mouse sPLA2 and analogues was observed.
Sequence Length	186
Assay Type	Sandwich
Samples	Mouse serum, cell culture supernates and other biological fluids
Detection Range	50 ng/L - 800 ng/L
Sensitivity	< 5ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for sPLA2 elisa kit	Background: Secreted phospholipase A2 type IIA (sPLA2-IIA) is a well-established pro-inflammatory protein and has been a major target for drug discovery. Our recent studies found that sPLA2-IIA activates integrins in an allosteric manner through direct binding to a newly identified binding site of integrins (site 2), which is distinct from the classical RGD-binding site (site 1). The sPLA2-IIA-induced integrin activation may be related to the signaling action of sPLA2-IIA. Principle of the Assay: Mouse Secreted Phospholipase A2 (sPLA2) ELISA Kit employs a two-site sandwich ELISA to quantitate sPLA2 in samples. An antibody specific for sPLA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any sPLA2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Mouse sPLA2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of sPLA2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62471667
NCBI GeneID	35665
NCBI GenBank Nucleotide #	NP_001014501.1
NCBI Official Full Name	secretory phospholipase A2, isoform C
NCBI Official Synonym Full Names	secretory Phospholipase A2
NCBI Official Symbol	sPLA2
NCBI Official Synonym Symbols	CG11124; CG14507; DmelCG11124; secretory phospholipase A[[2]]; sPLA[[2]]
NCBI Protein Information	secretory phospholipase A2

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.