

Mouse Discs, Large Homolog 4 (DLG4) ELISA Kit | DLG4 elisa kit

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CATALOG #
AAA187009

REACTIVITY
Mouse

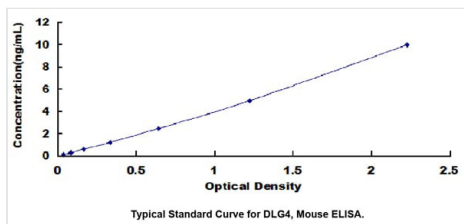
PRODUCT SYNONYMS

Discs; Large Homolog 4 (DLG4); Mouse Discs; Large Homolog 4 (DLG4) ELISA Kit; PSD95; SAP90; Postsynaptic density protein 95; Synapse-associated protein 90; DLG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DLG4. No significant cross-reactivity or interference between DLG4 and analogues was observed.
Sequence Length	721
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DLG4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DLG4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DLG4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DLG4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DLG4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DLG4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of DLG4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DLG4 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557529
NCBI GeneID	1742
NCBI Accession #	NP_001356.1
NCBI GenBank Nucleotide #	NM_001365.4
UniProt Accession #	P78352; Q92941; Q9UKK8; B7Z1S1; G5E939
Molecular Weight	80,125 Da
NCBI Official Full Name	disks large homolog 4 isoform 1
NCBI Official Synonym Full Names	discs large MAGUK scaffold protein 4
NCBI Official Symbol	DLG4
NCBI Official Synonym Symbols	PSD95; SAP90; SAP-90
NCBI Protein Information	disks large homolog 4
UniProt Protein Name	Disks large homolog 4
UniProt Gene Name	DLG4
UniProt Synonym Gene Names	PSD95; PSD-95; SAP-90; SAP90

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/mouse-elisa-kits/discs-large-homolog-4-dlg4/187009>