Mouse SMAD specific E3 ubiquitin protein ligase 1 ELISA Kit | SMURF1 elisa kit

Mouse E3 ubiquitin-protein ligase SMURF1, SMURF1 ELISA Kit

CATALOG #	REACTIVITY
AAA112703	**Mouse**

PRODUCT SYNONYMS

SMAD specific E3 ubiquitin protein ligase 1; Mouse E3 ubiquitin-protein ligase SMURF1; SMURF1 ELISA Kit; Mouse E3 ubiquitin-protein ligase SMURF1 (SMURF1) ELISA kit; KIAA1625; E3 ubiquitin ligase SMURF1; Smad ubiquitination regulatory factor 1; Smad-specific E3 ubiquitin ligase 1; SMURF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse SMURF1. No significant cross-reactivity or interference between mouse SMURF1 and analogues was observed.
Sequence Length	731
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	< 7.8 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SMURF1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SMURF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SMURF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SMURF1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SMURF1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	87044890
NCBI GeneID	75788
NCBI Accession #	NP_001033716.1
NCBI GenBank Nucleotide #	NM_001038627.1
UniProt Accession #	Q9CUN6; Q3U412; Q8K300
Molecular Weight	83,356 Da
NCBI Official Full Name	E3 ubiquitin-protein ligase SMURF1 isoform 1
NCBI Official Synonym Full Names	SMAD specific E3 ubiquitin protein ligase 1
NCBI Official Symbol	Smurf1
NCBI Official Synonym Symbols	mKIAA1625; 4930431E10Rik
NCBI Protein Information	E3 ubiquitin-protein ligase SMURF1; Smad ubiquitination regulatory factor 1; SMAD-specific E3 ubiquitin-protein ligase 1
UniProt Protein Name	E3 ubiquitin-protein ligase SMURF1
UniProt Gene Name	**Smurf1**
UniProt Entry Name	SMUF1_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/smurf1-mouse-elisa-kits/smad-specific-e3-ubiquitin-protein-ligase-1/112703