

Mouse Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (SCYE1) ELISA Kit | SCYE1 elisa kit

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CATALOG #

AAA27201

REACTIVITY

Mouse

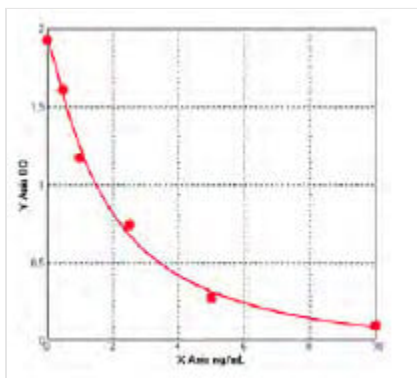
PRODUCT SYNONYMS

Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (SCYE1); Mouse Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (SCYE1) ELISA Kit; SCYE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SCYE1. No significant cross-reactivity or interference between SCYE1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SCYE1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCYE1 elisa kit	Intended Uses: This SCYE1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseSCYE1. This ELISA kit for research use only! Principle of the Assay: SCYE1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SCYE1 antibody and an SCYE1-HRP conjugate. The assay sample and buffer are incubated together with SCYE1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SCYE1 concentration since SCYE1 from samples and SCYE1-HRP conjugate compete for the anti-SCYE1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SCYE1 from the sample, fewer sites are left to bind SCYE1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SCYE1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SCYE1 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	215490011
NCBI GeneID	9255
NCBI Accession #	NP_001135888.1
NCBI GenBank Nucleotide #	NM_001142416.1
Molecular Weight	37,039 Da
NCBI Official Full Name	aminoacyl tRNA synthase complex-interacting multifunctional protein 1 isoform b
NCBI Official Synonym Full Names	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
NCBI Official Symbol	AIMP1
NCBI Official Synonym Symbols	p43; HLD3; EMAP2; SCYE1; EMAPII
NCBI Protein Information	aminoacyl tRNA synthase complex-interacting multifunctional protein 1; ARS-interacting multifunctional protein 1; endothelial monocyte-activating polypeptide 2; multisynthase complex auxiliary component p43; endothelial-monocyte activating polypeptide II; multisynthetase complex auxiliary component p43; small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating)
UniProt Protein Name	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1
UniProt Gene Name	AIMP1
UniProt Synonym Gene Names	EMAP2; SCYE1; EMAP-2; EMAP-II
UniProt Entry Name	AIMP1_HUMAN

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://www.aaabiotech.com/mouse-elisa-kits/aminoacyl-trna-synthase-complex-interacting-multifunctional-protein-1-scy1/27201>