

Human Aminoacyl tRNA Synthase Complex-Interacting Multifunctional Protein 1 (SCYE1) ELISA Kit | SCYE1 elisa kit

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CATALOG # AAA330940	REACTIVITY Human
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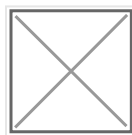
PRODUCT SYNONYMS

Aminoacyl tRNA Synthase Complex-Interacting Multifunctional Protein 1 (SCYE1); Human Aminoacyl tRNA Synthase Complex-Interacting Multifunctional Protein 1 (SCYE1) ELISA Kit; SCYE1; EMAP2; EMAP2; p43; ARS-interacting multifunctional protein 1; endothelial monocyte-activating polypeptide 2; endothelial-monocyte activating polypeptide; multisynthetase complex auxiliary co; SCYE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (SCYE1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SCYE1. No significant cross-reactivity or interference between Human SCYE1 and analogues was observed.
Sequence Length	312
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (SCYE1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SCYE1 elisa kit	Description: This Human Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (SCYE1) ELISA Kit employs a two-site sandwich ELISA to quantitate SCYE1 in samples. An antibody specific for SCYE1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SCYE1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCYE1 is added to the wells. After washing, Streptavidin 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 SCYE1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: AIMP1 is a cytokine that is specifically induced by apoptosis. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor of SCYE1 (pro-SCYE1) is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex. Therefore, pro-SCYE1 may function in binding RNA as part of the tRNA synthetase complex in normal cells and in stimulating inflammatory responses after proteolytic cleavage in tumor cells.EMAPII is identical to the p43 subunit invariably associated with 9 aminoacyl-tRNA synthetase complexes. They stated that the C-terminal domain of p43 is an RNA-binding domain. EMAPII may be a bifunctional protein, binding RNA as part of the tRNA synthetase complexes and, after proteolytic cleavage in tumor cells, stimulating inflammatory responses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215490009
NCBI GeneID	9255
NCBI Accession #	NP_001135887.1
NCBI GenBank Nucleotide #	NP_001135887.1
UniProt Accession #	Q12904
NCBI Official Full Name	aminoacyl tRNA synthase complex-interacting multifunctional protein 1 isoform a
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
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.