

Mouse ERAP1 ELISA Kit | ERAP1 elisa kit

Mouse ERAP1 PicoKine ELISA Kit

CATALOG #
AAA125240

REACTIVITY
Mouse

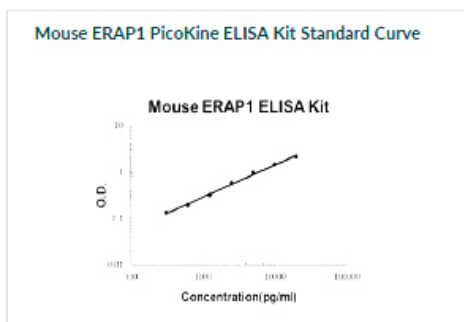
PRODUCT SYNONYMS

ERAP1; Mouse ERAP1 PicoKine ELISA Kit; Mouse ERAP1; Endoplasmic reticulum aminopeptidase 1; ARTS-1; Adipocyte-derived leucine aminopeptidase; A-LAP; Aminopeptidase PILS; Puromycin-insensitive leucyl-specific aminopeptidase; PILS-AP; VEGF-induced aminopeptidase; Erap1; Appils; Arts1; ERAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Erap1
Sequence Length	930
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	312pg/ml-20000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERAP1 elisa kit	Principle of the Assay: The Picokine™ Mouse Erap1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Erap1 with a 96-well strip plate that is pre-coated with antibody specific for Erap1. The detection antibody is a biotinylated antibody specific for Erap1. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Erap1 with immunogen: Expression system for standard: NSO, Immunogen sequence: M1-L930. The kit is analytically validated with ready to use reagents. To measure Mouse Erap1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Erap1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Erap1 in the sample.!!Background/Introduction: Type 1 tumor necrosis factor receptor shedding aminopeptidase regulator, also known as endoplasmic reticulum aminopeptidase 1 (ARTS-1), is a protein which in humans is encoded by the ARTS-1 gene. This gene is mapped to 13; 13 C1. Endoplasmic reticulum amino peptidase 1 is active in the endoplasmic reticulum, which is involved in protein processing and transport. This protein is an aminopeptidase, which is an enzyme that cleaves peptides at the N-terminal into smaller fragments called amino acids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13507656
NCBI GeneID	80898
NCBI Accession #	NP_109636.1
NCBI GenBank Nucleotide #	NP_109636.1
UniProt Accession #	Q9EQH2
NCBI Official Full Name	endoplasmic reticulum aminopeptidase 1
NCBI Official Synonym Full Names	endoplasmic reticulum aminopeptidase 1
NCBI Official Symbol	Erap1
NCBI Official Synonym Symbols	A-LAP; Arts1; ERAAP; PILSA; ARTS-1; PILSAP
NCBI Protein Information	endoplasmic reticulum aminopeptidase 1
UniProt Protein Name	Endoplasmic reticulum aminopeptidase 1
UniProt Gene Name	Erap1
UniProt Synonym Gene Names	Appils; Arts1
UniProt Entry Name	ERAP1_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.