

Human Methionine Aminopeptidase 2 (METAP2) ELISA Kit | METAP2 elisa kit

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CATALOG #
AAA331793

REACTIVITY
Human

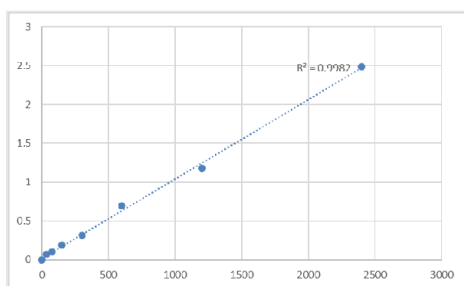
PRODUCT SYNONYMS

Methionine Aminopeptidase 2 (METAP2); Human Methionine Aminopeptidase 2 (METAP2) ELISA Kit; METAP2; MAP2; MNPEP; p67; p67eIF2; eIF-2-associated p67 homolog; initiation factor 2-associated 67 kDa glycoprotein; peptidase M 2; METAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Methionine aminopeptidase 2 (METAP2) ELISA Kit has high sensitivity and excellent specificity for detection of Human METAP2. No significant cross-reactivity or interference between Human METAP2 and analogues was observed.
Sequence Length	478
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 Methionine aminopeptidase 2 (METAP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for METAP2 elisa kit	Description: This Human Methionine aminopeptidase 2 (METAP2) ELISA Kit employs a two-site sandwich ELISA to quantitate METAP2 in samples. An antibody specific for METAP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any METAP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for METAP2 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 METAP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Methionine aminopeptidase 2 encoded by METAP2 is a member of the methionyl aminopeptidase family. Methionine aminopeptidase 2 functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent proteins. Increased expression of METAP2 is associated with various forms of cancer, and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. Inhibitors of this gene have also been shown to be effective for the treatment of obesity. A pseudogene of METAP2 is located on chromosome 2. Several transcript variants encoding different isoforms have been found for METAP2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803092
NCBI GeneID	10988
NCBI Accession #	NP_006829.1
NCBI GenBank Nucleotide #	NP_006829.1
UniProt Accession #	P50579
NCBI Official Full Name	methionine aminopeptidase 2 isoform 1
NCBI Official Synonym Full Names	methionyl aminopeptidase 2
NCBI Official Symbol	METAP2
NCBI Official Synonym Symbols	MAP2; MNPEP; p67eIF2
NCBI Protein Information	methionine aminopeptidase 2
UniProt Protein Name	Methionine aminopeptidase 2
UniProt Gene Name	METAP2
UniProt Synonym Gene Names	MNPEP; P67EIF2; MAP 2

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/human-elisa-kits/methionine-aminopeptidase-2-metap2/331793>