

Human Eukaryotic Translation Initiation Factor 4A2 (EIF4A2) ELISA Kit | EIF4A2 elisa kit

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CATALOG #
AAA186733

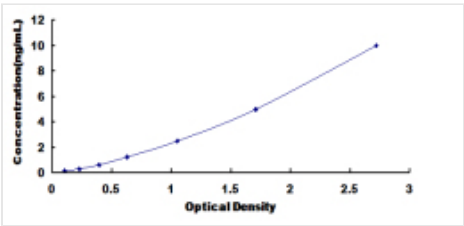
REACTIVITY
Human

PRODUCT SYNONYMS

Eukaryotic Translation Initiation Factor 4A2 (EIF4A2); Human Eukaryotic Translation Initiation Factor 4A2 (EIF4A2) ELISA Kit; EIF4A; BM-010; DDX2B; EIF4F; ATP-dependent RNA helicase eIF4A-2; EIF4A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Eukaryotic Translation Initiation Factor 4A2 (EIF4A2). No significant cross-reactivity or interference between Eukaryotic Translation Initiation Factor 4A2 (EIF4A2) and analogues was observed.
Sequence Length	408
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Eukaryotic Translation Initiation Factor 4A2 (EIF4A2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Eukaryotic Translation Initiation Factor 4A2 (EIF4A2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EIF4A2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Eukaryotic Translation Initiation Factor 4A2 (EIF4A2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Eukaryotic Translation Initiation Factor 4A2 (EIF4A2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Eukaryotic Translation Initiation Factor 4A2 (EIF4A2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Eukaryotic Translation Initiation Factor 4A2 (EIF4A2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83700235
NCBI GeneID	1974
NCBI Accession #	NP_001958.2
NCBI GenBank Nucleotide #	NM_001967.3
UniProt Accession #	Q14240; Q53XJ6; Q96B90; Q96EA8; D3DNU9
Molecular Weight	46,489 Da
NCBI Official Full Name	eukaryotic initiation factor 4A-II
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4A2
NCBI Official Symbol	EIF4A2
NCBI Official Synonym Symbols	DDX2B; EIF4A; EIF4F; BM-010; eIF4A-II; eIF-4A-II
NCBI Protein Information	eukaryotic initiation factor 4A-II
UniProt Protein Name	Eukaryotic initiation factor 4A-II
UniProt Gene Name	EIF4A2
UniProt Synonym Gene Names	DDX2B; EIF4F; eIF-4A-II; eIF4A-II

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.