

Human Adaptor Related Protein Complex 1 Beta 1 (AP1b1) ELISA Kit | AP1b1 elisa kit

Human Adaptor Related Protein Complex 1 Beta 1 (AP1b1)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152452

REACTIVITY
Human

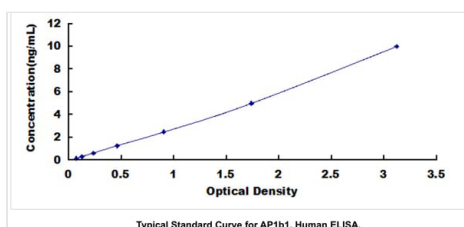
PRODUCT SYNONYMS

Adaptor Related Protein Complex 1 Beta 1 (AP1b1); Human Adaptor Related Protein Complex 1 Beta 1 (AP1b1)(Sandwich ELISA) ELISA Kit; ELISA Kit for Adaptor Related Protein Complex 1 Beta 1 (AP1b1); ADTB1; AP105A; BAM22; CLAPB2; AP-1 complex subunit beta-1; Beta-adaptin 1; Clathrin assembly protein complex 1 beta large chain; Golgi adaptor HA1/AP1 adaptin beta subunit; AP1b1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AP1b1. No significant cross-reactivity or interference between AP1b1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AP1b1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AP1b1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AP1b1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to AP1b1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to AP1b1. 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 AP1b1, 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 AP1b1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AP1b1 in human tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260436862
NCBI GeneID	162
NCBI Accession #	NP_001118
NCBI GenBank Nucleotide #	NM_001127
UniProt Accession #	Q10567; P78436; Q20WL3; Q86X54; C9JRD1; F8WDL0
Molecular Weight	101,348 Da
NCBI Official Full Name	AP-1 complex subunit beta-1 isoform a
NCBI Official Synonym Full Names	adaptor-related protein complex 1, beta 1 subunit
NCBI Official Symbol	AP1B1
NCBI Official Synonym Symbols	ADTB1; BAM22; AP105A; CLAPB2
NCBI Protein Information	AP-1 complex subunit beta-1; Golgi adaptor HA1/AP1 adaptin beta subunit; adapter-related protein complex 1 subunit beta-1; adaptor protein complex AP-1 subunit beta-1; adaptor-related protein complex 1 subunit beta-1; beta-1-adaptin; beta-adaptin 1; beta-
UniProt Protein Name	AP-1 complex subunit beta-1
UniProt Gene Name	AP1B1
UniProt Synonym Gene Names	ADTB1; BAM22; CLAPB2
UniProt Entry Name	AP1B1_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.