

Human EPB41L3 (Band 4.1-like protein 3) ELISA Kit | EPB41L3 elisa kit

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CATALOG #
AAA27636

REACTIVITY
Human

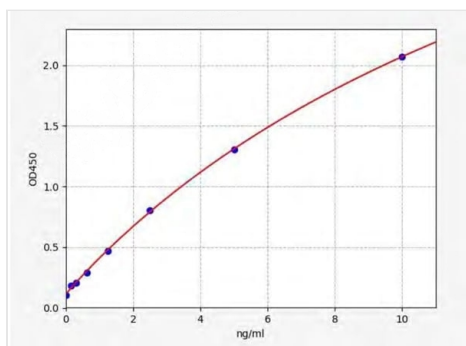
PRODUCT SYNONYMS

EPB41L3 (Band 4.1-like protein 3); Human EPB41L3 (Band 4.1-like protein 3) ELISA Kit; Band 4.1-like protein 3; 4.1B; Differentially expressed in adenocarcinoma of the lung protein 1; DAL-1; EPB41L3; N-terminally processed; DAL1; KIAA0987; EPB41L3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize EPB41L3, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPB41L3 elisa kit	Background: Erythrocyte membrane protein band 4.1-like 3 (EPB41L3) is an important membrane skeletal protein that may interact with numerous membrane proteins. Loss of EPB41L3 is reported in multiple cancer types, and it is originally identified as a tumor suppressor. EPB41L3 may promote osteosarcoma cell proliferation and suppress osteosarcoma cell migration and invasion. Reduced EPB41L3 leads to a decrease of E-cadherin as well as an increase of N-cadherin and Vimentin, implying a prominent epithelial-to-mesenchymal transition. Diseases associated with EPB41L3 include Benign Meningioma and Schwannomatosis, Vestibular. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti EPB41L3 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti EPB41L3 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with EPB41L3 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of EPB41L3 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13544009
NCBI GeneID	23136
UniProt Accession #	Q9Y2J2; O95713; Q9BRP5
Molecular Weight	120,678 Da
NCBI Official Full Name	EPB41L3 protein
NCBI Official Synonym Full Names	erythrocyte membrane protein band 4.1-like 3
NCBI Official Symbol	EPB41L3
NCBI Official Synonym Symbols	4.1B; DAL1; DAL-1
NCBI Protein Information	band 4.1-like protein 3; differentially expressed in adenocarcinoma of the lung protein 1
UniProt Protein Name	Band 4.1-like protein 3
UniProt Gene Name	EPB41L3
UniProt Synonym Gene Names	DAL1; KIAA0987; DAL-1
UniProt Entry Name	E41L3_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.