

Mouse anti-Human BCKDE1A Monoclonal Antibody | anti-BCKDE1A antibody

BCKDE1A Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62309	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

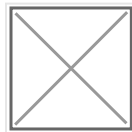
PRODUCT SYNONYMS

BCKDE1A; Monoclonal Antibody; BCKDE1A Mouse mAb; 2-oxoisovalerate dehydrogenase (lipoamide); 2-oxoisovalerate dehydrogenase subunit alpha; mitochondrial; BCKDH E1-alpha; BCKDHA; branched chain keto acid dehydrogenase E1 alpha protein; Branched-chain alpha-keto acid dehydrogenase E1 component alpha chain; MSU; MSUD1; OVD1A; anti-BCKDE1A antibody

PRODUCT SPECIFICATIONS

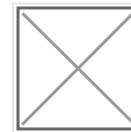
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	445
Applicable Applications for anti-BCKDE1A antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human ODBA
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling ODBA with M25075 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (blue) and an unlabelled control (cells without incubation with primary antibody, green). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

ODBA was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25075 of 10 ug. Western blot was performed from the immunopre-cipitate using M25075 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Predicted band size : 50 KDaObserved band size : 50 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-BCKDE1A antibody	The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an innter mitochondrial enzyme complex that catalyzes the second major step in the catabolism of the branched-chain amino acids leucine, isoleucine, and valine. The BCKD complex consists of three catalytic components: a heterotetrameric (alpha2-beta2) branched-chain alpha-keto acid decarboxylase (E1), a dihydrolipoyl transacylase (E2), and a dihydrolipoamide dehydrogenase (E3). This gene encodes the alpha subunit of the decarboxylase (E1) component. Mutations in this gene result in maple syrup urine disease, type IA. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-BCKDE1A antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386135
NCBI GeneID	593
NCBI Accession #	NP_000700.1
NCBI GenBank Nucleotide #	NM_000709.3
UniProt Accession #	P12694; Q16034; Q16472; B4DP47; E7EW46
Molecular Weight	Predicted MW: 50kDa
NCBI Official Full Name	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial isoform 1
NCBI Official Synonym Full Names	branched chain keto acid dehydrogenase E1, alpha polypeptide
NCBI Official Symbol	BCKDHA
NCBI Official Synonym Symbols	MSU; MSUD1; OVD1A; BCKDE1A
NCBI Protein Information	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial
UniProt Protein Name	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial
UniProt Gene Name	BCKDHA
UniProt Synonym Gene Names	BCKDE1A; BCKDH E1-alpha

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/monoclonal/bckde1a-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62309>