

For Research Use Only

BCKDHB Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68596-1-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
68596-1-PBS	BC040139	Protein G purification
Size:	GeneID (NCBI):	CloneNo.:
1mg/ml	594	1D12C7
Source:	UNIPROT ID:	
Mouse	P21953	
Isotype:	Full Name:	
IgG1	branched chain keto acid dehydrogenase E1, beta polypeptide	
Immunogen Catalog Number:	Calculated MW:	
AG33802	392 aa, 43 kDa	
	Observed MW:	
	35-37 kDa	

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Branched-chain alpha-keto acid dehydrogenase E1 component beta chain (BCKDHB; BCKDE1B; BCKDH E1-beta) is a subunit of the BCKDH complex, which is a mitochondrial enzyme in the degradation pathway for branched-chain amino acids (BCAA). Together with BCKDHA, BCKDHB forms the E1 subunit of this complex, whereas DBT and DLD are the E2 and E3 subunits, respectively. A deficiency of the BCKDH complex in humans causes maple syrup urine disease (MSUD), a severe neurometabolic disorder diagnosed by the detection of alloisoleucine in plasma (MIM 248600). (PMID: 30709776)

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

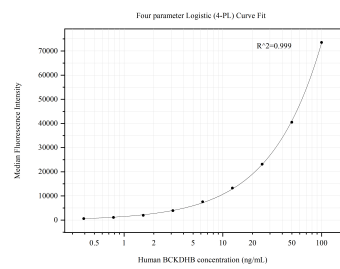
T: 4006900926

E: Proteintech-CN@ptglab.com

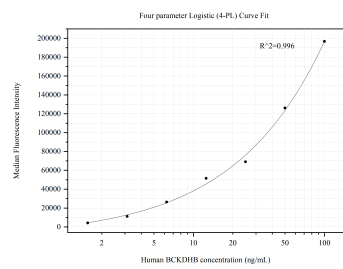
W: ptgcn.com

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Selected Validation Data



Cytometric bead array standard curve of MP50570-1, BCKDHB Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68596-2-PBS. Detection antibody: 68596-1-PBS. Standard:Ag33802. Range: 0.391-100 ng/mL



Cytometric bead array standard curve of MP50570-3, BCKDHB Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68596-4-PBS. Detection antibody: 68596-1-PBS. Standard:Ag33802. Range: 1.563-100 ng/mL