

Product datasheet for **TA501670**

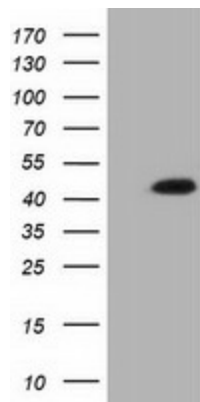
IVD Mouse Monoclonal Antibody [Clone ID: OTI1F1]

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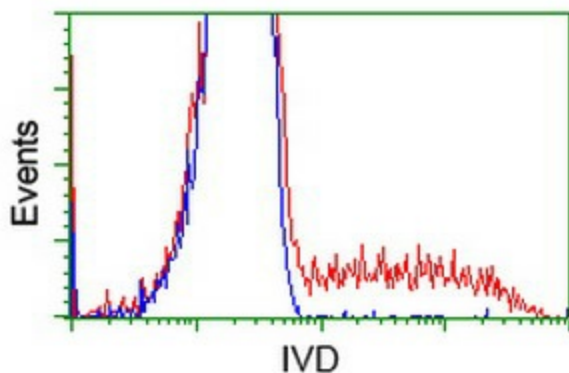
Product Type:	Primary Antibodies
Clone Name:	OTI1F1
Applications:	FC, WB
Recommend Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human IVD (NP_002612) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.94 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	46.5 kDa
Gene Name:	isovaleryl-CoA dehydrogenase
Database Link:	NP_002216 Entrez Gene 3712 Human
Background:	Isovaleryl-CoA dehydrogenase (IVD) is a mitochondrial matrix enzyme that catalyzes the third step in leucine catabolism. The genetic deficiency of IVD results in an accumulation of isovaleric acid, which is toxic to the central nervous system and leads to isovaleric acidemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Synonyms:	ACAD2
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Valine, leucine and isoleucine degradation



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Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IVD ([RC229217], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IVD. Positive lysates [LY432239] (100ug) and [LC432239] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC201077] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-IVD antibody (TA501670), and then analyzed by flow cytometry.