MVD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MVD, Polyclonal Antibody
Full Product Name	MVD (Mevalonate Pyrophosphate Decarboxylase, MPD, Diphosphomevalonate Decarboxylase, FP17780, Mevalonate (Diphospho) Decarboxylase, MI
Product Gene Name	anti-MVD antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MVD.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	43,405 Da
OMIM	603236
3D Structure	ModBase 3D Structure for P53602
Immunogen	Full length human MVD, aa1-400 (NP_002452.1).
Immunogen Sequence	MASEKPLAAVTCTAPVNIAVIKYWGKRDEELVLPINSSLSVTLHQDQLKTTTTAVISKDFTEDRIWLNGREEDVGQPRLQACLREIRCLARKRRNSRDGDPI
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-MVD antibody	Antibodies; Enzymes; Decarboxylase
Applications Tested/Suitable for anti-MVD antibody	Western Blot (WB)
Application Notes for anti-MVD antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-MVD antibody	The enzyme mevalonate pyrophosphate decarboxylase catalyzes the conversion of mevalonate pyrophosphate into isopentenyl pyrophosphate in one

Other Notes	Small volumes of anti-MVD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for MVD purchase	MBS6386191 is an antibody targeting MVD. Also known as MVD (Mevalonate Pyrophosphate Decarboxylase, MPD, Diphosphomevalonate Decarboxy

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MVD. It may not necessarily be applicable to this product.

NCBI GI #	4505289
NCBI GeneID	4597
NCBI Accession #	NP_002452.1
UniProt Primary Accession #	P53602
UniProt Secondary Accession #	Q53Y65
UniProt Related Accession #	P53602
GenBank Nucleotide #	NM_002461.1
NCBI Official Full Name	diphosphomevalonate decarboxylase
NCBI Official Synonym Full Names	mevalonate (diphospho) decarboxylase
NCBI Official Symbol	MVD
NCBI Official Synonym Symbols	MPD; MDDase; FP17780
UniProt Protein Name	Diphosphomevalonate decarboxylase
UniProt Synonym Protein Names	Mevalonate (diphospho)decarboxylase; MDDase; Mevalonate pyrophosphate decarboxylase
UniProt Gene Name	MVD
UniProt Synonym Gene Names	MPD; MDDase
UniProt Entry Name	MVD1_HUMAN
NCBI Protein Information	diphosphomevalonate decarboxylase; mevalonate pyrophosphate decarboxylase
UniProt Comments for MVD	MVD: Performs the first committed step in the biosynthesis of isoprenes. Belongs to the diphosphomevalonate decarboxylase family. Protein type: Lyase; Secondary Metabolites Metabolism - terpenoid backbone biosynthesis; EC 4.1.1.33 Chromosomal Location of Human Ortholog: 16q24.3 Cellular Component: peroxisome; cytosol Molecular Function: diphosphomevalonate decarboxylase activity; protein homodimerization activity; Hsp70 protein binding; ATP binding Biological Process: cellular protein metabolic process; isoprenoid biosynthetic process; isopentenyl diphosphate biosynthetic process, mevalonate pathway; dolichol-linked oligosaccharide biosynthetic process; positive regulation of cell proliferation; dolichyl diphosphate biosynthetic process; protein amino acid N-linked glycosylation via asparagine; post-translational protein modification; cholesterol biosynthetic process
Research Articles on MVD	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)

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