

MRPL28 mouse monoclonal antibody (hybridoma)

Catalog # H00010573-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant MRPL28.
Immunogen	MRPL28 (NP_006419.2, 1 a.a. ~ 256 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPLHKYPVWLWKRLQLREGICSRLPGHYLRSLLEEERTPTPVHYRPHGAKFKINPKNGQRERVEDV PIPIYFPESQRGLWGGEWILGQIYANNDKLSKRLKKVWKPQLFEREFYSEILDKKFTVTVTMRTL DLIDEAYGLDFYILKTPKEDLCSKFGMDLKRGMLLRLARQDPQLHPEDPERRAANYDKYKEFAIPEE EAEWVGLTLEEAIEKQRLLEEKDPVPLFKIYVAELIQQLQQQALSEPAVVQKRASGQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (84)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — MRPL28

Entrez GeneID [10573](#)**GeneBank Accession#** [NM_006428.3](#)**Protein Accession#** [NP_006419.2](#)**Gene Name** MRPL28**Gene Alias** MAAT1, MGC8499, p15**Gene Description** mitochondrial ribosomal protein L28**Omim ID** [604853](#)**Gene Ontology** [Hyperlink](#)

Gene Summary Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein, a part of which was originally isolated by its ability to recognize tyrosinase in an HLA-A24-restricted fashion. [provided by RefSeq]

Other Designations OTTHUMP00000067337|melanoma antigen p15|melanoma-associated antigen recognised by cytotoxic T lymphocytes