

# MRPL44 mouse monoclonal antibody (hybridoma)

Catalog # H00065080-M

Size Up to 5 Clones

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant MRPL44.
<b>Immunogen</b>	MRPL44 (NP_075066.1, 1 a.a. ~ 332 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MASGLVRLLQQGHRCLLAPVAPKLVPPVRGVKKGFRAAFQKELERQRLRCPPPPVRRSEK PNWDYHAEIQAFGHRQLQENFSLDLLKTAFVNSCYIKSEEAKRQQLGIEKEAVLLNLKSNQELSEQG TSFSQTCLTQFLEDEYPDMPTEGIKNLVDFLTGEEVVCHVARNLAVEQLTLSEEFVPPAVLQQT FFAVIGALLQSSGPERTALFIRDFLTQMTGKELFEMWKIINPMGLLVEELKKRNVSAPESTRQS GGTTALPLYFVGLYCDKKLIAEGPGETVLVAEEEEAARVALRKLYGFTENRRPWNYSKPKETLRAE KSITAS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (85); Rat (87)
<b>Quality Control Testing</b>	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
<b>Deliverables</b>	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
<b>Note</b>	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 — MRPL44

**Entrez GeneID** [65080](#)

**GeneBank Accession#** [NM\\_022915.2](#)

**Protein Accession#** [NP\\_075066.1](#)

**Gene Name** MRPL44

**Gene Alias** FLJ12701, FLJ13990, FLJ37688, L44MT, MRP-L44

**Gene Description** mitochondrial ribosomal protein L44

**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. [provided by RefSeq]

**Other Designations** 39S ribosomal protein L44, mitochondrial