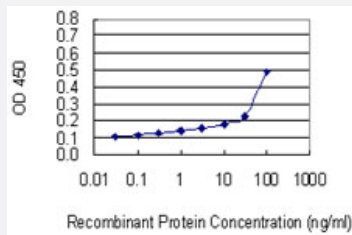


MRPL4 monoclonal antibody (M02), clone 4B1

Catalog # H00051073-M02

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MRPL4 is 3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant MRPL4.
Immunogen	MRPL4 (AAH00756, 1 a.a. ~ 263 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLQFVRAGARAWLRPTGSQGLSSLAEEAARATENPEQVASEGLPEPVLRKVLPVPTHRRPVQ AWVESLRGFQERVGLADLHPDVFATAPRLDILHQVAMWQKNFKRISYAKTKTRAEVRGGGRKP WPQKGTGRARHGSIRSPLWRGGGVAHGPRGPTSYYYMLPMKVRALGLKVALTVKLAQDDLHMD SLELPTGDPQYLTELAHYRRWGDSVLLVDLTHEEMPQSIVEATSRLKTFNLIPAVGEQRAQAPRV RMCRLRC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (82)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MRPL4 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MRPL4

Entrez GeneID [51073](#)

GeneBank Accession# [BC000756](#)

Protein Accession# [AAH00756](#)

Gene Name MRPL4

Gene Alias CGI-28, L4mt, MGC16367, MGC2681

Gene Description mitochondrial ribosomal protein L4

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 28 S 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. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq]

Other Designations -

Disease

- [Genetic Predisposition to Disease](#)

- [Hematologic Diseases](#)
- [Occupational Diseases](#)