9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

# Datasheet

## MRPL1 monoclonal antibody (M01), clone 2B7

**Catalog Number:** H00065008-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant MRPL1.

**Clone Name:** 2B7

**Immunogen:** MRPL1 (AAH15109, 1 a.a. ~ 303 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**
MVYQTSLCSCSVNIRVPNRHFAAAKKSAKKTKKGAKE
KTPDEKKDEIEKIKAYPYMEGEPEDDVYLKRLYPRQIY
EVEKAVHLLKKFQILDFTSPKQSVYLDLTLDMALGKKK
NVEPFTSVLSLPYPFASEINKVAVFTENASEVKIAEENG
AASAGGTSLIQKIWDDEIVADFYVAVPEIMPELNRLRKK
LNKKYPKLSRNSIGRDIPKMLELFKNGHEIKVDEEREN
FLQTKIATLDMSSDQIAANLQAVINEVCRHRPLNLGPFV
VRAFLRSSTSEGLLLKIDPLLPKEVKNEESEKEDA

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA
(See our web site product page for detailed applications information)

**Protocols:** See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

**Isotype:** IgG2a kappa

**Storage Buffer:** In 1x PBS, pH 7.4

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

**Entrez GeneID:** 65008

**Gene Symbol:** MRPL1

**Gene Alias:** BM022, FLJ96680, L1MT, MRP-L1

**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 that belongs to the L1 ribosomal protein family. [provided by RefSeq]