

## Anti-MRPL28 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

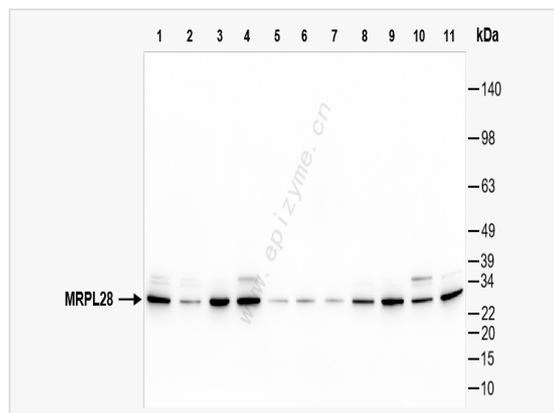
Catalog # R015141

### Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	10M04U47
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from MRPL28
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MRPL28 Rabbit mAb [10M04U47] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	39S ribosomal protein L28, 39S ribosomal protein L28 mitochondrial, 39S ribosomal protein L28 mitochondrial precursor, HGNC6756, L28mt, MAAT 1, MAAT1, Melanoma antigen p15, Melanoma associated antigen recognised by cytotoxic T lymphocytes, Melanoma associated antigen recognized by T lymphocytes, Melanoma-associated antigen recognized by T-lymphocytes, MGC8499, mitochondrial, Mitochondrial ribosomal protein L28, MRP L28, MRP-L28, MRPL 28, mrpl28, P15, RM28_HUMAN.
Calculated MW	Calculated MW: 30 kDa; Observed MW: 30 kDa
Uniprot ID	Q13084
Gene ID	10573
Background	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, Jul 2008].
Cellular Location	Mitochondrion.
Tissue Location	Found in a variety of normal tissues including spleen, testes, thymus, liver, kidney, brain, adrenal, lung and retinal tissue.



Western Blot - Anti-MRPL28 Rabbit mAb [10M04U47]

All lanes: R015141 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at

1:5,000 dilution

Predicted band size: 30 kDa

Observed band size: 30 kDa

Developed using the ECL technique (Cat. No. SQ201).