

MRPL28 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP19152a**Specification**

MRPL28 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q13084](#)**MRPL28 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10573**Other Names**

39S ribosomal protein L28, mitochondrial, L28mt, MRP-L28, Melanoma antigen p15, Melanoma-associated antigen recognized by T-lymphocytes, MRPL28, MAAT1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MRPL28 Antibody (N-term) Blocking Peptide - Protein Information**Name** MRPL28**Synonyms** MAAT1**Cellular Location**

Mitochondrion

Tissue Location

Found in a variety of normal tissues including spleen, testes, thymus, liver, kidney, brain, adrenal, lung and retinal tissue

MRPL28 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MRPL28 Antibody (N-term) Blocking Peptide - Images

MRPL28 Antibody (N-term) Blocking Peptide - 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.

MRPL28 Antibody (N-term) Blocking Peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007) Martin, J., et al. Nature 432(7020):988-994(2004) Zhang, Z., et al. Genomics 81(5):468-480(2003) Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001) Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :