

**产品名称: MRPL42 Mouse Monoclonal Antibody**  
**产品货号: AMM83078**



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | MRPL42 Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody        |
| 宿主 (Host)              | Mouse                            |
| 应用 (Application)       | WB,IHC,ELISA,FC                  |
| 种属反应性 (Reactivity)     | Human                            |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | PBS containing 0.03% sodium azide.                                                       |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | MRPL42                                                                                  |
| 别名 (Alternative Names) | L31MT; L42MT; S32MT; MRPL31; MRPS32; PTD007; RPML31; HSPC204; MRP-L31; MRP-L42; MRP-S32 |
| 基因 ID (Gene ID)        | 28977.0                                                                                 |
| 蛋白 ID (SwissProt ID)   | Q9Y6G3.Purified recombinant fragment of human MRPL42 (AA: 10-142) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 16.6kDa                                                              |

## 研究背景 (Background)

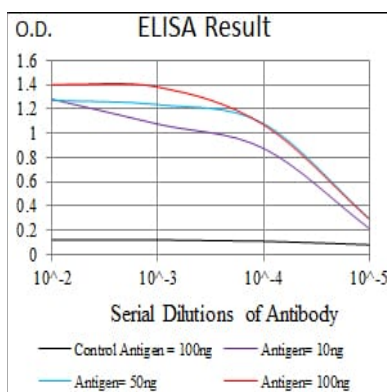
产品名称: MRPL42 Mouse Monoclonal Antibody  
产品货号: AMM83078



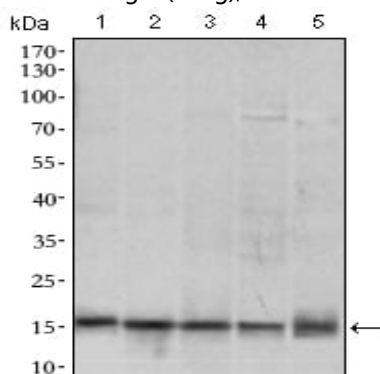
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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 protein identified as belonging to both the 28S and the 39S subunits. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 4q, 6p, 6q, 7p, and 15q. <br />

## 研究领域 (Research Area)

## 图片 (Image Data)

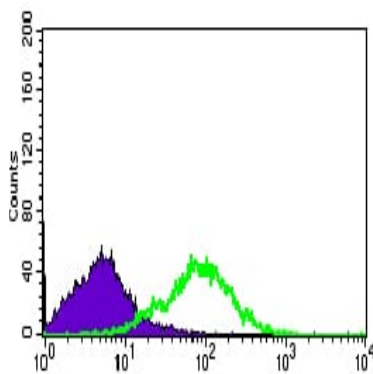


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

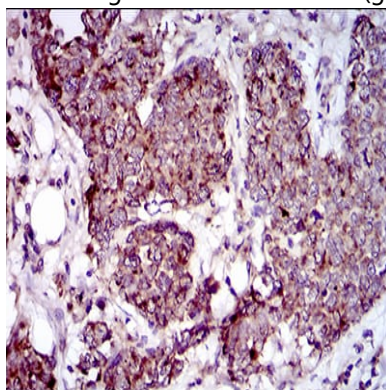


Western blot analysis using MRPL42 mouse mAb against HL7702 (1), SMMC-7721 (2), HEK293 (3), HeLa (4) and Raji (5) cell lysate.

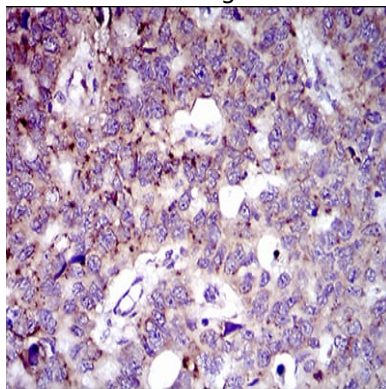
产品名称: MRPL42 Mouse Monoclonal Antibody  
产品货号: AMM83078



Flow cytometric analysis of HEK293 cells using MRPL42 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using MRPL42 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using MRPL42 mouse mAb with DAB staining.

### 注意事项 (Note)

For research use only .