

肌红蛋白抗体

产品货号： mIR3805

英文名称： Myoglobin

中文名称： 肌红蛋白抗体

别 名： MB; MGC13548; Myoglobin; PVALB; MYG_HUMAN.

研究领域： 肿瘤 细胞生物 免疫学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 17kDa

细胞定位： 细胞浆 细胞外基质

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human Myoglobin:21-120/154

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： Myoglobin is a small heme containing protein responsible for the oxygen deposition in muscle tissues. Only one form of myoglobin is expressed in cardiac and skeletal muscles. Myoglobin is known as a marker of myocardial damage and it has been used for more than three decades. Nowadays it still is very commonly used in clinical practice as an early marker of AMI. It appears in patient's blood 1 to 3 hours after onset of the symptoms, reaching peak level within 8 to 12 hours. Myoglobin is not so cardiac specific as cTnI or cTnT. Because of high myoglobin concentration in skeletal muscle tissue, even minor skeletal muscle injury results in the significant increase of myoglobin concentration in blood. Thus myoglobin is used together with cTnI or cTnT in clinical practise for better specificity in AMI diagnosis.

Function:

Serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles.

Similarity:

Belongs to the globin family.

SWISS:

P02144

Gene ID:

4151

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

肌红蛋白存在于肌肉中，心肌中含量特别丰富，，有较高的组织特异性，是横纹肌的特异性标记物，但对肿瘤的敏感性较差。主要用于横纹肌肿瘤的诊断与鉴别诊断。少数恶性中胚叶混合瘤、睾丸畸胎瘤、肾母细胞瘤亦可见阳性表达。