

Mouse anti Myoglobin Antibody Clone: MG-1

Storage: 2-8°C

Catalog No: M13-024
M13-024s
M13-024U

1ml
0.2ml
6ml

Intended Use and Background:

Mouse anti Myoglobin antibody (mouse IgG1 isotype) provides a qualitative determination of the myoglobin in formalin-fixed paraffin-embedded human tissue section. Myoglobin is a small hemeprotein within skeletal and cardiac muscle. Myoglobin can be found in plasma upon damage to the muscle cell due to infarction of a coronary artery, neurological trauma, infection or tumor process. Clone MG-1 reacts with human myoglobin in skeletal and cardiac muscle. The antibody does not recognize hemoglobin.

Kit Components:

Mouse anti-Myoglobin Antibody is from mouse ascites fluid and preserved in PBS buffer containing BSA and 0.1% sodium azide.

Clone: MG-1
Isotype: IgG₁
Immunogen: Human skeletal muscle myoglobin
Reacts with: Human

Catalog No.	Format	Size
M13-024	Concentrate	1 ml
M13-024s	Concentrate	0.2ml
M13-024U	Ready-to-use	6ml

Positive Control Tissue: skeletal muscle

Staining pattern: Cytoplasmic

Pretreatment required: Not required

Recommended Protocol:

Application tested: ELISA, IHC (FFPE). Working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-200 depending on the detection system used. Optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.