Rabbit anti-human Myoglobin (Mb) polyclonal antibody

Catalog Number: R15002P

YUROGEN BIOSYSTEMS

General Information

Immunogen	Full length recombinant human Mb protein
IgG type	Rabbit IgG
Clonality	Polyclonal
Applications	WB, ELISA, ITA
Pairing antibody	Not tested
Specificity	Human Mb
Formulation	0.22 μM filtered solution of PBS, 0.09% NaN3, pH 7.4
Purity	> 95% determined by SDS-PAGE
Storage	≤ -20 °C for 1 year or 4 °C for 3 months

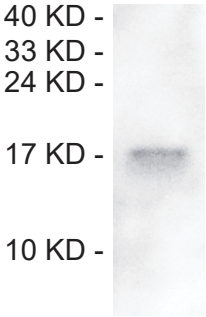
Abbreviations:
ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot;

Preparation

Polyclonal antibody is produced by immunizing rabbit with full length human Mb and purified using protein A resin.

Application

Western blot



Western blot conditions
Lanes: native human Mb protein at 1ng (right lane) per lane.
pAb concentration: 1 μg/ml
Blocking and antibody dilution buffer is 5% skim milk (w/v), 1x TBS, 0.05% Tween-20.

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

Background

Myoglobin (Mb) is an iron- and oxygen-binding protein which is expressed in vertebrate skeletal and cardiac muscles. It contains one polypeptide chain and one heme group. It plays an essential role in the storage and transport of oxygen to mitochondria. Reversible oxygen binding occurs by a linkage with the imidazole nitrogen of the 91st histidine residue in the myoglobin chain. Myoglobin is released rom damaged muscle tissue, making it a sensitive marker for muscleinjury and an important clinical marker for heart attack in patients with chest pain.

Research Use or Further Manufacturing Only

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