

Datasheet for ABIN969486
anti-Myoglobin antibody[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	Myoglobin (MB)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Myoglobin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of Myoglobin expressed in E. coli.
Clone:	6H8B5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Myoglobin (MB)
Alternative Name:	Myoglobin (MB Products)
Background:	<p>Description: Myoglobin (MB), with 154-amino acid protein (about 17 kDa), is a member of the globin superfamily and expression of myoglobin is highest in skeletal and cardiac muscle.</p> <p>Functionally, myoglobin is well accepted as an O₂-storage protein in muscle, capable of releasing O₂ during periods of hypoxia or anoxia. Myoglobin is also thought to buffer</p>

Target Details

intracellular O₂ concentration when muscle activity increases and to facilitate intracellular O₂ diffusion by providing a parallel path that augments simple diffusion of dissolved O₂.

Furthermore, myoglobin is used together with cTnI or cTnT in clinical practise for better specificity in AMI diagnosis.

Aliases: PVALB, MGC13548, MB

Gene ID: 4151

HGNC: 4151

Pathways: [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS containing 0.03 % sodium azide.

Preservative: Sodium azide

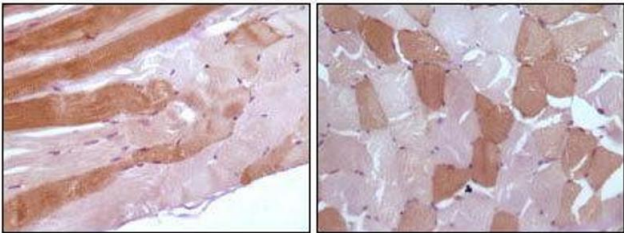
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

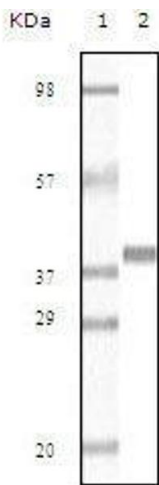
Publications

Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus." in: **Journal of oral science**, Vol. 51, Issue 3, pp. 355-65, (2009) ([PubMed](#)).



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue showing cytoplasmic localization using anti-Myoglobin antibody with DAB staining.



Western Blotting

Image 2. Western blot analysis using Myoglobin mouse mAb against truncated Myoglobin recombinant protein(AA: 2-154).