



# Anti-Myoglobin monoclonal antibody, clone 7B23 (CABT-BL8435)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Specificity	Human Mb
Immunogen	Full length recombinant human Mb protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	7B23
Purification	Protein A purification
Conjugate	Unconjugated
Applications	ELISA, ITA
Format	Liquid
Size	50 µl, 100 µl
Buffer	0.22 µM filtered solution of PBS, pH 7.4
Preservative	None
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.

## BACKGROUND

## Introduction

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 from damaged muscle tissue, making it a sensitive marker for muscle injury and an important clinical marker for heart attack in patients with chest pain.

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## GENE INFORMATION

Entrez Gene ID	<a href="#">4151</a>
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UniProt ID	<a href="#">P02144</a>
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