



# Anti-Myoglobin monoclonal antibody, clone 8E4 (CABT-BL8434)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Human Mb
<b>Immunogen</b>	Full length recombinant human Mb protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	8E4
<b>Purification</b>	Protein A purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, ITA
<b>Format</b>	Liquid
<b>Size</b>	50 µl, 100 µl
<b>Buffer</b>	0.22 µM filtered solution of PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	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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