



## Human MB peptide (DAG-P0947)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of the globin superfamily and is expressed in skeletal and cardiac muscles. The encoded protein is a haemoprotein contributing to intracellular oxygen storage and transcellular facilitated diffusion of oxygen. At least three alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the globin family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">MB myoglobin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MB
<b>Synonyms</b>	MB; myoglobin; PVALB; myoglobgin;
<b>Entrez Gene ID</b>	<a href="#">4151</a>
<b>mRNA Refseq</b>	<a href="#">NM_005368.2</a>
<b>Protein Refseq</b>	<a href="#">NP_005359.1</a>

<b>UniProt ID</b>	P02144
<b>Chromosome Location</b>	22q13.1
<b>Pathway</b>	Effects of nitric oxide, organism-specific biosystem;
<b>Function</b>	heme binding; iron ion binding; oxygen binding; oxygen transporter activity;