



20150116ML

# Anti-Mouse IGF-BP5 (#12C23)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>103-M238</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with mouse recombinant protein of IGFBP-5).

## Target Background

<b>Synonyms (Target):</b>	Igfbp5; IGFBP-5; AI256729; AW208790; IGFBP-5P
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IGFBP5 is expressed by fibroblasts, myoblasts and osteoblasts, making it the predominant IGFBP found in bone extracts. IGFBP5 has a strong affinity for hydroxyapatite, allowing it to bind to bone cells. When bound to extracellular matrix, IGFBP5 is protected from proteolysis and potentiates IGF activity, but when it is soluble, IGFBP5 is cleaved to a biologically inactive 21 kDa fragment. Mouse, human and rat IGFBP5 share 97% identity.

## Database References Target

<b>Protein RefSeq:</b>	NP_034648.2
<b>Uniprot ID:</b>	Q07079
<b>mRNA RefSeq:</b>	NM_010518.2

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#12C23)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G/A chromatography
<b>Antigen</b>	recombinant mouse protein of IGFBP-5
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody detects mouse IGFBP-5 in Western blotting. No cross activity to other mouse IGFbps.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB

### Recommended usage:

**WB:** 1:500-1000

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**