CATALOGUE #: **4IGF4**

PRODUCT NAME: **Monoclonal mouse anti- Insulin-like growth factor binding protein 4 (IGFBP-4)**

MAbs *in vitro*:
IBP3cc
Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

MAbs *in vivo*:
IBP144, IBP154, IBP163, IBP180, IBP182, IBP185, IBP190
Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogens:
Recombinant human IGFBP-4 expressed in mammalian cell line for IBP144, IBP154, IBP180, IBP182, IBP185, IBP190

Synthetic peptide from human IGFBP-4 His142-Met156 for IBP3cc

Synthetic peptide from human IGFBP-4 Lys157-Gln171 for IBP163

Specificity:

MAbs	Specificity
IBP144, IBP154, IBP180	human IGFBP-4; human N-terminal IGFBP-4 fragment (NT-IGFBP-4)
IBP182, IBP185, IBP190	human IGFBP-4; human C-terminal IGFBP-4 fragment (CT-IGFBP-4)
IBP3cc	human NT-IGFBP-4, cross-reaction with full-length human IGFBP-4 <5% (ELISA)
IBP163	human CT-IGFBP-4, cross-reaction with full-length human IGFBP-4 <5% (ELISA)

MAb isotypes:
IgG1 for IBP163, IBP190

IgG2a for IBP144, IBP154, IBP180

IgG2b for IBP182, IBP185

I**gG3** for IBP3cc

Applications:
Detection of human IGFBP-4, NT-IGFBP-4, and CT-IGFBP-4. MAbs are working in direct ELISA and sandwich immunoassay. Recommended pairs:

Human IGFBP-4 sandwich immunoassay:	
Capture	**Detection**
IBP185	IBP154
IBP182	IBP144
IBP144	IBP190

Specific human NT-IGFBP-4 sandwich immunoassay:	
Capture	**Detection**
IBP3cc	IBP144
IBP3cc	IBP180

Specific human CT-IGFBP-4 sandwich immunoassay:	
Capture	**Detection**
IBP182	IBP163

Purification:
Protein A chromatography

Presentation:
PBS, pH 7.4, 0.09 % sodium azide (NaN_3) for IBP144, IBP154, IBP163, IBP180, IBP182, IBP185, IBP190

50 mM citrate, 150 mM NaCl, pH 6.0, 0,09% azide (NaN_3) for IBP3cc

Storage:
+4 °C (+2 … +8 °C allowed)

Material safety note:
This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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