

CATALOGUE #: 4IGF4

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

Recombinant MAbs: IBP3m

Recombinant antibody expressed in a mammalian cell line. Composed of original wild type variable domains of mouse derived MAb and mouse IgG1 constant domains.

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 IBP3m

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)
IBP3m	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 IBP3m, IBP163, IBP190

IgG2a for IBP144, IBP154, IBP180

IgG2b for IBP182, IBP185

Applications:

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

Human IGFBP-4:		Human NT-IGFBP-4 specific:		Human CT-IGFBP-4 specific:	
Capture	Detection	Capture	Detection	Capture	Detection
IBP185	IBP154	IBP3m	IBP144	IBP182	IBP163
IBP182	IBP144	IBP3m	IBP180		
IBP144	IBP190				

Purification:

Protein A chromatography

Presentation:

PBS, pH 7.4, 0.09 % sodium azide (NaN₃) for IBP144, IBP154, IBP163, IBP180, IBP182, IBP185, IBP190

50 mM citrate, 150 mM NaCl, pH 6.0, 0,09% azide (NaN₃) for IBP3m

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.