



DataSheet

CATALOGUE #: 4IGF4

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

MAbs *in vivo*: IBP144, IBP182, IBP190, IBP3, IBP154, IBP163, IBP180, IBP185

MAbs *in vitro*: IBP3cc

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with recombinant human IGFBP-4 expressed in mammalian cell line (MAbs IBP144, IBP182, IBP190, IBP180, IBP185, IBP154), synthetic peptide from human IGFBP-4 His142-Met156 (MAbs IBP3, IBP3cc) or synthetic peptide from human IGFBP-4 Lys157-Gln171 (MAB IBP163)

Specificity: MAbs IBP144, IBP154 and IBP180:
human IGFBP-4; human N-terminal IGFBP-4 fragment (NT-IGFBP-4)

MAbs IBP182, IBP185 and IBP190:
human IGFBP-4; human C-terminal IGFBP-4 fragment (CT-IGFBP-4)

MAbs IBP3, IBP3cc:
human NT-IGFBP-4, cross-reaction with full-length human IGFBP-4 <5% (ELISA)

MAB IBP163:
human CT-IGFBP-4, cross-reaction with full-length human IGFBP-4 <5% (ELISA)

MAB isotypes: **IgG1** for MAbs IBP163, IBP190

IgG2a for MAbs IBP144, IBP154, IBP180

IgG2b for MAbs IBP182, IBP185

IgG3 for MAbs IBP3, 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 for human IGFBP-4 sandwich immunoassay (capture-detection):

IBP185 – IBP154

IBP182 – IBP144

IBP144 – IBP190

Recommended pairs for specific human NT-IGFBP-4 sandwich immunoassay (capture-detection):

IBP3cc – IBP144

IBP3cc – IBP180

Recommended pairs for specific human CT-IGFBP-4 sandwich immunoassay (capture-detection):

IBP182 – IBP163

Purification: Chromatography on protein A Sepharose

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

50 mM citrate, 150 mM NaCl, pH 6.0, 0,09% azide (NaN₃) for MAbs IBP3, IBP3cc

Storage: +4 °C (+2 ... +8 °C allowed)

Material safety note: This product is sold **for research 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

HyTest Ltd.

Intelligence 1, 6th floor, Joukahaisenkatu 6

FI-20520 Turku FINLAND

www.hytest.fi | hytest@hytest.fi



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