Human BMP-4 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 100230

Catalog Number: FAB3552R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BMP-2 and human BMP-4 in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant zebra fish (rzf) BMP-2 and rhBMP-4, 20%-40% cross-reactivity with rhBMP-3, -3b, -6, and no cross-reactivity with rhBMP-5, -7,&
Source	Monoclonal Mouse IgG_1 Clone # 100230
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human BMP-2 Gln283-Arg396 Accession # P12643
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Bone Morphogenetic Protein 2 (BMP-2) and BMP-4 are two of at least 15 structurally and functionally related BMPs, which are members of the transforming growth factor β (TGF-β) superfamily, BMPs were originally identified as protein regulators of cartilage and bone formation. However, they have since been shown to be involved in embryogenesis and morphogenesis of various tissues and organs.

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