Human/Mouse BMP-10 Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 462732

Catalog Number: FAB2926X

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human BMP-10 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) BMP-1.1, 2, 3, 3b, 4, 5, 6, 7, 9, 15, or the pro region of rhBMP-10 is observed. In direct ELISAs, approximately 90% cross
Source	Monoclonal Mouse IgG_{2A} Clone # 462732
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human BMP-10 Asn317-Arg424 Accession # O95393
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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 10 (BMP-10) is a TGF-β superfamily member whose expression is restricted to the developing and postnatal heart. It is synthesized as a 424 amino acid (aa) pre-proprotein with a putative 21 aa signal peptide, a 295 aa propeptide, and a 108 aa mature protein. Mature BMP-10 is secreted as a 25 kDa disulfide-linked homodimer. Mature human BMP-10 shares 98% aa sequence identity with mature mouse, and rat BMP-10.

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