

A Reliable Research Partner in Life Science and Medicine

BMP-4 Monoclonal Antibody

catalog number: AN200042P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human BMP-4 protein

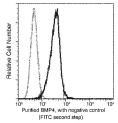
Host Mouse Isotype lgM Clone A886 **Purification** Protein A

Buffer 0.2 µm filtered solution in PBS

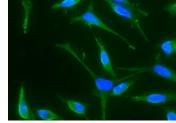
Applications Recommended Dilution

1:20-1:100 ICC/IF **FCM** 1:25-1:100

Data



Flow cytometric analysis of Human BMP4 on HeLa cells. Cells were stained with purified anti-Human BMP4, then a derived from gated events with the forward and side lightscatter characteristics of intact cells.



Immunofluorescence analysis of Human BMP4 in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 1% Triton FITC-conjugated second step antibody. The histogram were X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human BMP4 Monoclonal Antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue). Positive staining was localized to cytoplasm.

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

> activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates heart development and adipogenesis. Mutations in this gene are associated with orofacial cleft and microphthalmia in human patients. The encoded protein may also be involved in the pathology of multiple cardiovascular diseases and human cancers.

For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com Rev. V1.2