

DATASHEET

Version: 2016-08-17

BMP-7 Antibody (2A5F3), mAb, Mouse**Cat. No.:** A01285-40**Size:** 40 µg**Synonyms:** Mouse Anti-huBMP-7 mAb;**Description:**

BMP-7, or osteogenic protein 1 (OP-1), is one of at least 15 structurally and functionally related BMPs, all members of the transforming growth factor β (TGF- β) superfamily. BMPs regulate cartilage and bone formation, embryogenesis and morphogenesis of various tissues and organs, and the growth, differentiation, chemotaxis and apoptosis of various cell types. Biologically active BMP-7 is a disulfide-linked homodimer. Cellular responses to BMP-7 have been shown to be mediated by the formation of hetero-oligomeric complexes of type I and type II serine/threonine kinase receptors.

GenScript **Human BMP-7 Antibody (2A5F3), mAb, Mouse** is produced from the hybridoma resulting from fusion of Sp2/0 myeloma and lymphocytes obtained from mouse immunized with purified human recombinant BMP-7 protein (Swiss Prot: P18075).

Immunogen: Purified human recombinant BMP-7 protein (Swiss Prot: P18075)**Host:** Mouse**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Fusion Partner:**

Spleen cells are fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Clone: 2A5F3**Ig Subclass:** IgG1, k**Specificity:** React with Human BMP-7, not cross-react with BMP-14 protein.**Purification:** Protein A affinity column**Applications:****Other applications:** user-optimized**Species Reactivity:** Human**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.