

## Product datasheet for **AM20239PU-S**

### **Bone Sialoprotein (IBSP) (CD-BSP 108-122) Mouse Monoclonal Antibody [Clone ID: 243 8B1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	243 8B1
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human CD-BSP
Specificity:	Recognizes Carbohydrate-deficient Bone Sialoprotein (CD-BSP/Tumor-BSP).
Formulation:	PBS, pH 7.4 State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore in aqua bidest to 1 mg/ml
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C and reconstituted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	integrin binding sialoprotein
Database Link:	<a href="#">Entrez Gene 3381 Human P21815</a>



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<b>Background:</b>	The protein encoded by the Bone Sialoprotein gene is a major structural protein of the bone matrix. It is synthesized by skeletal-associated cell types, including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts, and it constitutes approximately 12% of the noncollagenous proteins in human bone. The only extraskelatal site of its synthesis is the trophoblast. This protein binds to calcium and hydroxyapatite via its acidic amino acid clusters, and mediates cell attachment through an RGD sequence that recognizes the vitronectin receptor.
<b>Synonyms:</b>	Bone sialoprotein II, BSP II, IBSP, BNSP
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	ECM-receptor interaction, Focal adhesion