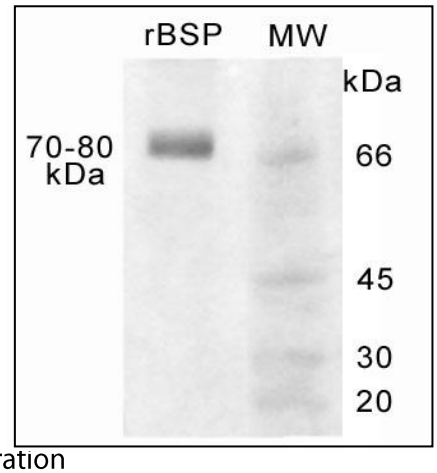
Antigens

# Data Sheet

# HUMAN BONE SIALOPROTEIN

## RECOMBINANT

| | |
|---|---|
| **Catalog no.:** | A 1004AG.1 / A 1004AG.2 |
| **Protein:** | Human Bone Sialoprotein, C-terminal His-tag |
| **Synonyms:** | Bone sialoprotein 2, BSP2, Cell-binding sialoprotein, Integrin-binding sialoprotein |
| **Swiss-Prot No:** | P21815 |
| **Gene Information:** | Gene name: IBSP |
| | GeneID: 3381 |
| **Source:** | Produced serum-free in human cell line |
| **Purification:** | Affinity chromatography |
| **Storage buffer:** | 20 mM TRIS |
| **Purity:** | > 95% (SDS-PAGE), reduced band at 70-80 kDa |
| **Identity:** | Western Blot with specific monoclonal Ab |
| **Contents:** | 10 µg / 100 µg (lyophilized) |
| | Resuspend in aqua bidest. for required concentration |
| **Store at:** | - 20 °C |
| | Repeated thawing and freezing must be avoided |




**Reference:**

1. Wuttke M, Muller S, Nitsche DP, Paulsson M, Hanisch FG, Maurer P (2001). Structural characterization of human recombinant and bone-derived bonesialoprotein. Functional implications for cell attachment and hydroxyapatite binding. *J Biol Chem* **276**(39):36839-48.

2. Hilbig H, Kirsten M, Rupietta R, Graf HL, Thalhammer S, Strasser S, Armbruster FP (2007). Implant surface coatings with bone sialoprotein, collagen , and fibronectin and their effects on cells derived from human maxillar bone. *Eur J Med Res* **12**:6-12.

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**For research use only**

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**Immundiagnostik AG**
Stubenwald-Allee 8a · 64625 Bensheim · Germany
Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com