

12-90502: Anti-IBSP antibody(3A11), Rabbit mAb

Clonality :	Monoclonal
Clone Name :	3A11
Application :	ELISA
Reactivity :	Human
Conjugate :	Unconjugated
Gene :	IBSP
Uniprot ID :	P21815
Alternative Name :	BSP;BNSP;SP-II;BSP-II
Isotype :	Rabbit IgG

Description

The protein encoded by this gene is a major structural protein of the bone matrix. It constitutes approximately 12% of the noncollagenous proteins in human bone and is synthesized by skeletal-associated cell types, including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts. The only extraskeletal 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. [provided by RefSeq, Jul 2008]

Product Info

Amount :	100 µg / 10 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Application Note

ELISA 1/5000-10000

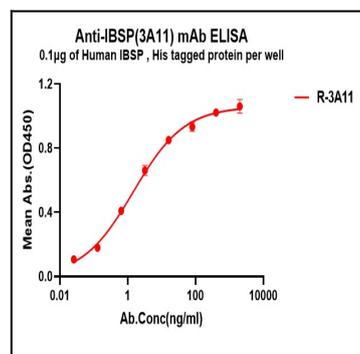


Figure 1. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human IBSP Protein can bind Rabbit anti-IBSP monoclonal antibody(clone: 3A11) in a linear range of 0.1-100 ng/ml.