Bioworld Technology CO., Ltd.

S100 α (A18) Peptide

Cat No.: BS1318P

Background

The family of EF-hand type Ca2+-binding proteins includes calbindin (previously designated vitamin D-dependent Ca 2+-binding protein), S-100 α and β, calgranulins A (also designated MRP8), B (also designated MRP14) and C (S-100 like proteins), and the parvalbumin family members, including parvalbumin α and parvalbumin β (also designated oncomodulin). The S-100 protein is involved in the regulation of cellular processes such as cell cycle progression and differentiation. Research also indicates that the S-100 protein may function in the activation of Ca2+ induced Ca2+ release, inhibition of microtubule assembly and inhibition of protein kinase C mediated phosphorylation. Two S-100 subunits, sharing 60% sequence identity, have been described as S-100α chain and S-100β chain. Three S-100 dimeric forms have been characterized, differing in their subunit composition of either two α chains, two β chains or one α and one β chain.

Swiss-Prot

P23297

Applications

Blocking

Specificity

This peptide can be used with studies using BS1318 S100 α (A18) pAb.

Purification & Purity

Synthetic peptide S100 α (A18). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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