

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



M-cadherin (A108) Peptide

Cat No.: BS2220P

Background

Cadherins are a multigene family of Ca⁺⁺-dependent cell adhesion molecules. They are transmembrane glycoproteins consisting of an extracellular domain, which mediates Ca⁺⁺-dependent intercellular adhesion by homophilic interactions, a transmembrane region and a cytoplasmic domain. The extracellular domain is divided into a series of subdomains designated EC1-EC5. Homologies between different members of the cadherin family are most prominent in the cytoplasmic domain and in EC1 and EC2 and much less so in EC5 of the extracellular domain and in the transmembrane region. The binding properties and specificities of the adhesive function are located in the N-terminal part of the molecules. Four members of the cadherin family have been identified and molecularly cloned from mammalian cells. These include the neuronal (N), epithelial (E), placental (P) and muscle (M) cadherins. M-cadherin is not found in fibroblasts but is expressed at low level in myoblasts and is up-regulated following induction of myotube formation, suggesting a specific function in skeletal muscle cell differentiation.

Swiss-Prot

P55291

Applications

Blocking

Specificity

This peptide can be used with studies using BS2220 M-cadherin (A108) pAb.

Purification & Purity

Synthetic peptide M-cadherin (A108). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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