

E-cadherin Peptide

Subcategory: Blocking Peptide, Synthetic Peptide

Cat. No.: 350496

Unit: 0.1 mg

Description:

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells. E-cadherin (CDH1) is involved in mechanisms regulating cell-cell adhesion, mobility and proliferation of epithelial cells. CDH1 has a potent invasive suppressor role. CDH1 binds to integrin alpha-E/beta-7. Defects in CDH1 are the cause of gastric, endometrial, breast, ovary and thyroid cancers. This antibody may cross-react with cadherin-2, 3 and 4.

Format: Each vial contains 0.1 ml peptide in deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: Epithelial cadherin; Uvomorulin; Cadherin-1; CAM 120/80; CD324 antigen; CDH1; CDHE; UVO

Accession No.: P12830

MW: 2121.1 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 200134 is selected from a sequence within the C-term region of human E-cadherin. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C89H125N25O34S1

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.