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# EPCAM Blocking Peptide (C-term)

**Synthetic peptide**
**Catalog # BP20935c**

## Specification

### EPCAM Blocking Peptide (C-term) - Product Information

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|---|---|
| Primary Accession | P16422 |
| Other Accession | Q75QW1, Q3T0L5 |

### EPCAM Blocking Peptide (C-term) - Additional Information

**Gene ID** 4072

**Other Names**
Epithelial cell adhesion molecule, Ep-CAM, Adenocarcinoma-associated antigen, Cell surface glycoprotein Trop-1, Epithelial cell surface antigen, Epithelial glycoprotein, EGP, Epithelial glycoprotein 314, EGP314, hEGP314, KS 1/4 antigen, KSA, Major gastrointestinal tumor-associated protein GA733-2, Tumor-associated calcium signal transducer 1, CD326, EPCAM, GA733-2, M1S2, M4S1, MIC18, TACSTD1, TROP1

**Target/Specificity**
The synthetic peptide sequence is selected from aa 299-314 of HUMAN EPCAM

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### EPCAM Blocking Peptide (C-term) - Protein Information

**Name** EPCAM

**Synonyms** GA733-2, M1S2, M4S1, MIC18, TACSTD1, TRO

**Function**
May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E.

**Cellular Location**
Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction

**Tissue Location**
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.

## EPCAM Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

## EPCAM Blocking Peptide (C-term) - Images

## EPCAM Blocking Peptide (C-term) - Background

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## EPCAM Blocking Peptide (C-term) - References

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