

CD46 Blocking Peptide (Center Y354)

Synthetic peptide Catalog # BP20516c

Specification

CD46 Blocking Peptide (Center Y354) - Product Information

Primary Accession

P15529

CD46 Blocking Peptide (Center Y354) - Additional Information

Gene ID 4179

Other Names

Membrane cofactor protein, TLX, Trophoblast leukocyte common antigen, CD46, CD46, MCP, MIC10

Target/Specificity

The synthetic peptide sequence is selected from aa 350-361 of Human CD46

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.

CD46 Blocking Peptide (Center Y354) - Protein Information

Name CD46

Synonyms MCP, MIC10

Function

Acts as a cofactor for complement factor I, a serine protease which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. May be involved in the fusion of the spermatozoa with the oocyte during fertilization. Also acts as a costimulatory factor for T-cells which induces the differentiation of CD4+ into T-regulatory 1 cells. T-regulatory 1 cells suppress immune responses by secreting interleukin-10, and therefore are thought to prevent autoimmunity.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, acrosome inner membrane; Single-pass type I membrane protein. Note=Inner acrosomal membrane of spermatozoa. Internalized upon binding of Measles virus, Herpesvirus 6 or Neisseria gonorrhoeae, which results in an increased susceptibility of infected cells to complement-mediated injury. In cancer cells or cells infected by Neisseria,



shedding leads to a soluble peptide

Tissue Location

Expressed by all cells except erythrocytes.

CD46 Blocking Peptide (Center Y354) - Protocols

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

• Blocking Peptides

CD46 Blocking Peptide (Center Y354) - Images

CD46 Blocking Peptide (Center Y354) - Background

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CD46 Blocking Peptide (Center Y354) - References

Riley R.C., et al. Mol. Reprod. Dev. 62:534-546(2002). Lublin D.M., et al. J. Exp. Med. 168:181-194(1988). Purcell D.F., et al. Immunogenetics 33:335-344(1991). Post T.W., et al. J. Exp. Med. 174:93-102(1991). Cervoni F., et al. Mol. Reprod. Dev. 34:107-113(1993).