

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Mdr-1 (I583) Peptide

Cat No.: BS3523P

Background

The MDR proteins (Mdrs) are members of a highly conserved superfamily of ATP-binding cassette transport proteins. Mdr functions as an energy-dependent efflux pump for structurally diverse agents ranging from ions to peptides. It is implicated in the development of the multiple drug resistance observed in human cancer cells following prolonged chemotherapy. The classic form of MDR is associated with an increase in the Mdr protein, but not all cases of MDR can be attributed to a rise in Mdr levels. Mdr-1 is an apical transmembrane protein that is an integral part of the blood-brain barrier and functions as a drug-transport pump transporting a variety of drugs from the brain back into the blood. In the human population, there are 15 polymorphisms in the Mdr-1 gene.

Swiss-Prot

P08183

Applications

Blocking

Specificity

This peptide can be used with studies using BS3523 Mdr-1 (I583) pAb.

Purification & Purity

Synthetic peptide Mdr-1 (I583). (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.

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