

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### MAGEC2 Peptide

Cat No.: BS5956P

#### Background

MAGE-C2/C3 (Melanoma-associated antigen C2, Hepatocellular carcinoma-associated antigen 587) is a 373 amino acid protein encoded by the human gene MAGEC2. Genes of the MAGE family direct the expression of tumor antigens that are recognized on human melanomas by autologous cytolytic T lymphocytes. Among tumor tissues, MAGE-C2/C3 is frequently expressed in seminomas, melanomas, and bladder transitional cell carcinomas. It is also expressed in a significant fraction of head and neck carcinomas, breast carcinomas, nonsmall-cell lung carcinomas, and sarcomas. In hepatocellular carcinoma, there is an inverse correlation between tumor differentiation and protein expression, i.e. the lower the differentiation, the higher the percentage of expression. MAGE-C2/C3 is not expressed in normal tissues, except in germ cells in the seminiferous tubules and in Purkinje cells of the cerebellum. It is strongly expressed in spermatogonia and primary spermatocytes, however, at later stages of maturation, expression gradually decreases to become undetectable in mature spermatids.

#### Swiss-Prot

Q9UBF1

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5956 MAGEC2 pAb.

#### Purification & Purity

Synthetic peptide MAGEC2. (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.