

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Galectin-4 (K83) Peptide

Cat No.: BS2529P

#### Background

Galectins are a family of soluble  $\beta$ -galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and play a role in tumor progression, pre-mRNA splicing and apoptosis. One member of this family, Galectin-4, also known as Gal-4, L36 or LGALS4 maps to human chromosome 19q13.13 and encodes a 36-37 kDa protein. The Galectin-4 protein is composed of 323 amino acids and contains two homologous carbohydrate recognition domains (CRD) and all amino acids typically conserved in the galectin family. Expression of Galectin-4 correlates with the malignant potential of human hepatocellular carcinoma (HCC) and is differentially regulated depending on cell-cell contact, serum growth factors, cell growth and cell differentiation status. Galectin-4 expression is detected in epithelial cells of the colon, rectum, intestine, and in HT29 and LS174T cell lines. Galectin-4 is underexpressed in colorectal cancer and is preferentially upregulated in cells prone to peritoneal dissemination.

#### Swiss-Prot

P56470

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2529 Galectin-4 (K83) pAb.

#### Purification & Purity

Synthetic peptide Galectin-4 (K83). (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.

Bioworld Technology, Inc.  
1660 South Highway 100, Suite 500 St. Louis Park, MN  
55416, USA. Email: [info@bioworld.com](mailto:info@bioworld.com)  
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.  
No 9, weidi road Qixia District Nanjing, 210046,  
P, R.China. Email: [info@biogot.com](mailto:info@biogot.com)  
Tel: +86-025-68037686 Fax: +86-025-68035151