

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Claudin-2 (S219) Peptide

Cat No.: BS1066P

#### Background

Claudin-2, also known as CLDN2 or SP82, is a 230 amino acid multi-pass membrane protein that localizes to the cell junctions and belongs to the claudin superfamily. Able to form homopolymers of heteropolymers with other claudin family members, claudin-2 plays an essential role in mediating calcium-independent cell-adhesion activity that is necessary for tight junction-specific obliteration of the intercellular space. Overexpression of claudin-2 is associated with a variety of diseases, including lung cancer, colorectal cancer, gastrointestinal carcinomas and inflammatory bowel disease, further affirming the importance of claudin-2 in cell adhesion.

#### Swiss-Prot

P57739

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1066 Claudin-2 (S219) pAb.

#### Purification & Purity

Synthetic peptide Claudin-2 (S219). (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.