

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Pax-5 (D2) Peptide

Cat No.: BS1287P

Background

The Pax gene family of nuclear transcription factors is comprised of nine family members that function during embryogenesis to regulate the temporal and position-dependent differentiation of cells. In addition, the family is involved in a variety of signal transduction pathways in the adult organism. Mutations in the Pax family of proteins have been linked to disease and cancer in humans. For example, the human Pax-5 gene encodes a B cell lineage specific protein called B cell specific activator protein or BSAP, which is expressed in pro-B, pre-B and mature B lymphocytes but not in plasma cells. BSAP functions to regulate not only B cell development, but also influences the balance between immunoglobulin secretion and B cell proliferation. Overexpression of BSAP has been implicated in cellular transformation, and in the case of small lymphocytic lymphomas with plasmacytoid differentiation, a t(9;14)(p13;q32) translocation resulting in the deregulation of Pax-5 gene expression has been detected. The gene which encodes Pax-5 maps to human chromosome 9p13.

Swiss-Prot

Q02548

Applications

Blocking

Specificity

This peptide can be used with studies using BS1287 Pax-5 (D2) pAb.

Purification & Purity

Synthetic peptide Pax-5 (D2). (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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