

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Stat5b (Y725) Peptide

Cat No.: BS1711P

Background

Stat5a and Stat5b (signal transducer and activator of transcription 5a and 5b; 96% homology) undergo receptor tyrosine kinase or G protein-coupled receptor-dependent phosphorylation in response to cytokines or growth factors, and then form homo- or heterodimers that translocate to the nucleus where they initiate transcription. Activation of Stat5a via IL-2, IL-3, IL-7, GM-CSF, erythropoietin, thrombopoietin and growth hormones influences proliferation, differentiation and apoptosis in lymphohematopoietic cells. Activation of Stat5b via IL-2, IL-4, CSF1 and growth hormones influences TCR signaling, apoptosis, adult mammary gland development and sexual dimorphism of liver gene expression. Stat5b is the major liver-expressed Stat5 form that has been shown to fuse with retinoic acid receptor- α gene in acute promyelocytic leukemias (APLL).

Swiss-Prot

P51692

Applications

Blocking

Specificity

This peptide can be used with studies using BS1711 Stat5b (Y725) pAb.

Purification & Purity

Synthetic peptide Stat5b (Y725). (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.