

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



IRAK1 (T381) Peptide

Cat No.: BS1541P

Background

Three structurally related ligands for IL-1Rs have been described. These include two agonists, IL-1 α and IL-1 β , and a specific receptor antagonist, IL-1Ra. Two distinct receptors designated IL-1RI and IL-1RII have been identified, each of which belong to the Ig superfamily. The preponderance of evidence suggests IL-1RI to be the functional IL-1 receptor. Binding of IL-1 to its cognate receptor results in the activation of the NF κ B signaling pathway. The IL-1-dependent kinase termed IRAK (for IL-1 receptor-associated kinase) co-immunoprecipitates with activated IL-1RI and has been implicated as an upstream mediator of NF κ B activation. Additional support for this assertion comes from the fact that a related Drosophila protein, Pelle, is a known upstream activator of Dorsal, the Drosophila homolog of NF κ B.

Swiss-Prot

P51617

Applications

Blocking

Specificity

This peptide can be used with studies using BS1541 IRAK1 (T381) pAb.

Purification & Purity

Synthetic peptide IRAK1 (T381). (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.