

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



IRAK-2 (V235) Peptide

Cat No.: BS9188P

Background

The interleukin-1 receptor-associated kinases (IRAKs) are important downstream signaling components of Toll-like receptors (TLRs). Four mammalian IRAKs have been found, namely IRAK-1, IRAK-2, IRAK-4, and IRAK-M, all of which share sequence homology to the *Drosophila melanogaster* protein kinase Pelle, and all contain a death domain (DD). The DD is used for protein-protein interactions with the DDs of other molecules, IRAK2 uses its DD to mediate its interaction with MyD88. The IRAKs have putative kinase domains, although IRAK1 has dispensable kinase activity because interleukin-1-induced NF- κ B activation could still be driven by a kinase-inactive mutant. Due to the absence of certain key residues within their putative kinase domains, both IRAK2 and IRAK-M are catalytically inactive.

Swiss-Prot

O43187

Applications

Blocking

Specificity

This peptide can be used with studies using BS9188 IRAK-2 (V235) pAb.

Purification & Purity

Synthetic peptide IRAK-2 (V235). (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.