



IRAK3 peptide (DAG-P1685)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the interleukin-1 receptor-associated kinase protein family. Members of this family are essential components of the Toll/IL-R immune signal transduction pathways. This protein is primarily expressed in monocytes and macrophages and functions as a negative regulator of Toll-like receptor signaling. Mutations in this gene are associated with a susceptibility to asthma. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]
Specificity	Expressed predominantly in peripheral blood lymphocytes.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 death domain. Contains 1 protein kinase domain.
Format	Liquid
Buffer	Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS, pH 7.2
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

Gene Name	IRAK3 interleukin-1 receptor-associated kinase 3 [Homo sapiens (human)]
Official Symbol	IRAK3
Synonyms	IRAK3; interleukin-1 receptor-associated kinase 3; ASRT5; IRAKM; IL-1 receptor-associated kinase M;

Entrez Gene ID	11213
mRNA Refseq	NM_001142523.1
Protein Refseq	NP_001135995.1
UniProt ID	Q9Y616
Chromosome Location	12q14.3
Pathway	Activated TLR4 signalling, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Interleukin-1 signaling, organism-specific biosystem; MyD88:Mal cascade initiated on plasma membrane, organism-specific biosystem; Neurotrophin signali
Function	ATP binding; magnesium ion binding; protein heterodimerization activity; protein homodimerization activity; protein serine/threonine kinase activity;