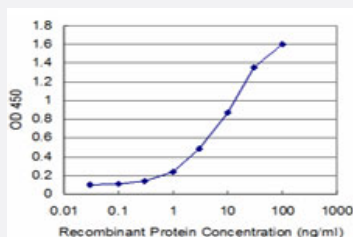


IRAK4 monoclonal antibody (M09), clone 1C3

Catalog # H00051135-M09

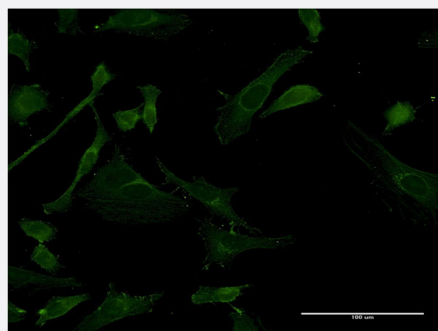
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IRAK4 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to IRAK4 on HeLa cell . [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant IRAK4.

Immunogen

IRAK4 (NP_057207, 255 a.a. ~ 351 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

GDDLCLVYVYMPNGSLLDRLSCLDGTPLSWHMRCKIAQGAANGINFLHENHHIHRDIKSANILLD
EAFTAKISDFGLARASEKFAQTVMTSRVGT

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (83); Rat (83)

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IRAK4 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to IRAK4 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — IRAK4

Entrez GeneID[51135](#)**GeneBank Accession#**[NM_016123](#)**Protein Accession#**[NP_057207](#)**Gene Name**

IRAK4

Gene Alias

IPD1, NY-REN-64, REN64

Gene Description

interleukin-1 receptor-associated kinase 4

Omim ID[606883 607676 610799](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [supplied by RefSeq]

Other Designations

IRAK-4 mutated form 1|interleukin-1 receptor associated kinase 4

Pathway

- [Apoptosis](#)
- [Neurotrophin signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Hypersensitivity](#)

- [Infant](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)