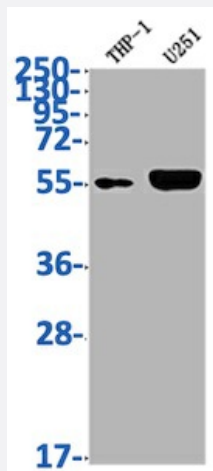


RecomAb™

IRAK4 recombinant monoclonal antibody, clone 10H4

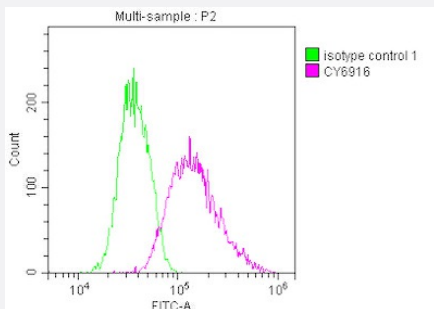
Catalog # RAB04114 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: THP-1 whole cell lysate; Lane 2: U251 whole cell lysate.



Flow Cytometry

Overlay histogram showing Jurkat cells stained with IRAK4 recombinant monoclonal antibody, clone 10H4 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IRAK4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human IRAK4.
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry (1:20-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: THP-1 whole cell lysate; Lane 2: U251 whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay histogram showing Jurkat cells stained with IRAK4 recombinant monoclonal antibody, clone 10H4 (red line) at 1:50.

Gene Info — IRAK4

Entrez GeneID	51135
Protein Accession#	Q9NWZ3
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](#)