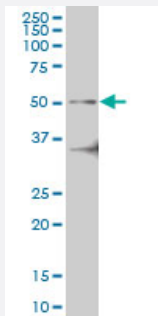


IRAK4 monoclonal antibody (M04), clone 2D3

Catalog # H00051135-M04

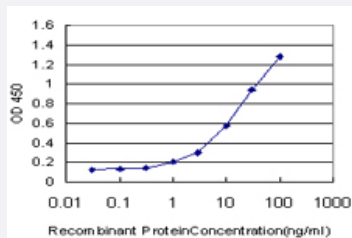
Size 100 ug

Applications



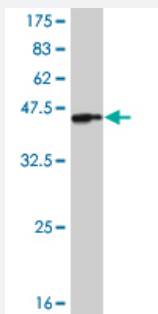
Western Blot (Cell lysate)

IRAK4 monoclonal antibody (M04), clone 2D3 Western Blot analysis of IRAK4 expression in K-562 (Cat # L009V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IRAK4 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (39.93 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant IRAK4.

Immunogen	IRAK4 (AAH13316, 1 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIAKKPSGDDRYNQFHIRRFEALLQTGKSPT SELLFDWGTNCTVGDLVDLLIQNEFFAPASLLLPDAVPKTANTLPSKEAITVQQKQMPFCDK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (39.93 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

IRAK4 monoclonal antibody (M04), clone 2D3 Western Blot analysis of IRAK4 expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IRAK4 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — IRAK4

Entrez GeneID [51135](#)

GeneBank Accession#	BC013316
Protein Accession#	AAH13316
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](#)