

Mouse anti-Human IRAK1 Monoclonal Antibody | anti-IRAK1 antibody

IRAK1 (Interleukin-1 Receptor-associated Kinase 1, IRAK-1, IRAK) (Biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24839	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western Blot

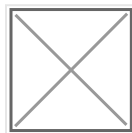
PRODUCT SYNONYMS

IRAK1; Monoclonal Antibody; IRAK1 (Interleukin-1 Receptor-associated Kinase 1; IRAK-1; IRAK) (Biotin); anti-IRAK1 antibody

PRODUCT SPECIFICATIONS

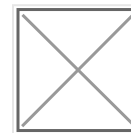
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3A9
Specificity	Recognizes human IRAK1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Sequence Length	3527
Applicable Applications for anti-IRAK1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa530-693 from human IRAK1 (AAH54000) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SSTGRAHSGAAPWQPLAAPSGASQAEEQLQRGNPQPVESDESLGGLSALRSWHLTPSCPLDPAPLREAGCPQGDTAGESSWGSGPGSRPTAVEG
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Thaw and use immediately. Do not freeze and thaw repeatedly. Amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing.

IMAGES



WB (Western Blot)

Western blot analysis of IRAK1 over-expressed 293 cell line, cotransfected with IRAK1. Validated Chimera RNAi ((Lane 2) or non-transfected control (Lane 1). Blot probed with IRAK1 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



Application Data

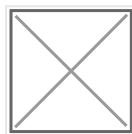
Detection limit for recombinant GST tagged IRAK1 is ~0.03ng/ml as a capture antibody.

**IP (Immunoprecipitation)**

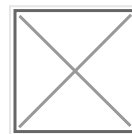
Immunoprecipitation of IRAK1 transfected lysate using IRAK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with IRAK1 rabbit polyclonal antibody.

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to IRAK1 on HeLa cell. [antibody concentration 10ug/ml]

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to IRAK1 on formalin-fixed paraffin-embedded human lung. [antibody concentration 3ug/ml]

**WB (Western Blot)**

Western Blot detection against Immunogen (43.45kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-IRAK1 antibody

[Antibodies](#); [Protein Kinases](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	32450331
NCBI GeneID	3654
NCBI Official Full Name	Homo sapiens interleukin-1 receptor-associated kinase 1, mRNA
NCBI Official Synonym Full Names	interleukin 1 receptor associated kinase 1
NCBI Official Symbol	IRAK1
NCBI Official Synonym Symbols	IRAK; pelle
NCBI Protein Information	interleukin-1 receptor-associated kinase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/irak1-antibody-clone-3a9-immunofluorescence-immunohistochemistry-immunoprecipitation-western-blot-elisa/24839>