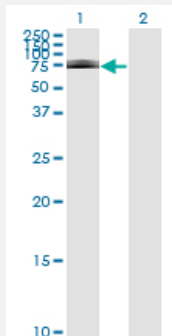


# IRAK1 monoclonal antibody (M01), clone 3F7

Catalog # H00003654-M01

Size 100 ug

## Applications

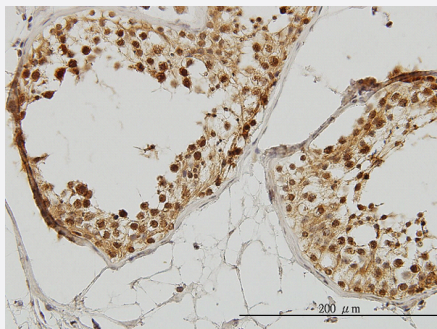


### Western Blot (Transfected lysate)

Western Blot analysis of IRAK1 expression in transfected 293T cell line by IRAK1 monoclonal antibody (M01), clone 3F7.

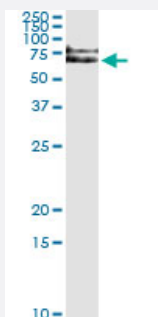
Lane 1: IRAK1 transfected lysate (68 kDa).

Lane 2: Non-transfected lysate.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

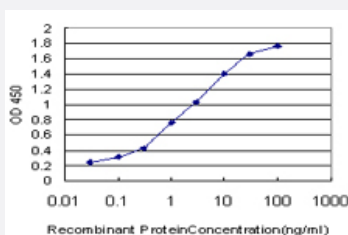


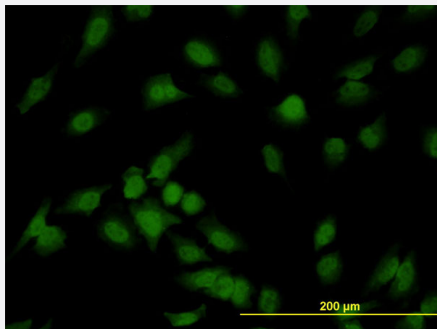
### Immunoprecipitation

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

### Sandwich ELISA (Recombinant protein)

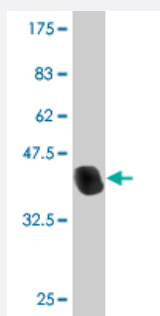
Detection limit for recombinant GST tagged IRAK1 is approximately 0.1 ng/ml as a capture antibody.





## Immunofluorescence

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



Western Blot detection against Immunogen (43.45 KDa) .

## Specification

|                                |                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a partial recombinant IRAK1.                                                                                                    |
| <b>Immunogen</b>               | IRAK1 (AAH54000, 530 a.a. ~ 693 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                        |
| <b>Sequence</b>                | SSTGRAHSGAAPWQPLAAPSGASQAAEQLQRGPNQPVESDESLGGLSAAALRSWHLTPSCPLDPAPLREAGCPQGDAGESSWGSGPGSRPTAVEGLALGSSASSSSSEPPQIIINPARQKMVQKLA<br>LYEDGALDSLQLLSSSSLPGLGLEQDRQGPEESDEFQS |
| <b>Host</b>                    | Mouse                                                                                                                                                                    |
| <b>Reactivity</b>              | Human                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG2a Kappa                                                                                                                                                              |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (43.45 KDa) .                                                                 |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                        |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                 |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of IRAK1 expression in transfected 293T cell line by IRAK1 monoclonal antibody (M01), clone 3F7.

Lane 1: IRAK1 transfected lysate(68 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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[Protocol Download](#)

- ELISA

- Immunofluorescence

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

## Gene Info — IRAK1

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">3654</a> |
|---------------|----------------------|

|                     |                          |
|---------------------|--------------------------|
| GeneBank Accession# | <a href="#">BC054000</a> |
|---------------------|--------------------------|

|                    |                          |
|--------------------|--------------------------|
| Protein Accession# | <a href="#">AAH54000</a> |
|--------------------|--------------------------|

|           |       |
|-----------|-------|
| Gene Name | IRAK1 |
|-----------|-------|

|            |             |
|------------|-------------|
| Gene Alias | IRAK, pelle |
|------------|-------------|

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | interleukin-1 receptor-associated kinase 1                                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID            | <a href="#">300283</a>                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Summary       | <p>This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]</p> |
| Other Designations | OTTHUMP00000026014 OTTHUMP00000026020 Pelle homolog                                                                                                                                                                                                                                                                                                                                                                                     |

## Pathway

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

## Disease

- [Arthritis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Lupus Erythematosus](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Sepsis](#)
- [Shock](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)
- [Werner syndrome](#)