

Datasheet: AHP1611

**BATCH NUMBER 145513**

<b>Description:</b>	RABBIT ANTI HUMAN IRAK3
<b>Specificity:</b>	IRAK3
<b>Other names:</b>	IRAK-M
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antisera to human IRAK3 were raised by repeated immunisation of rabbits with highly purified antigen.

---

**Buffer Solution** Phosphate buffered saline

---

**Preservative Stabilisers** 0.02% Sodium Azide

---

**Approx. Protein Concentrations** IgG concentration 1 mg/ml

---

**Immunogen** Peptide corresponding to amino acids from the carboxy terminus of human IRAK3.

---

**External Database Links**

**UniProt:**  
[Q9Y616](#)    [Related reagents](#)

**Entrez Gene:**  
[11213](#) IRAK3    [Related reagents](#)

---

**RRID** AB\_2126419

---

**Specificity** **Rabbit anti Human IRAK3 antibody** recognizes human Interleukin-1 receptor-associated kinase 3 (IRAK3), a member of the IRAK/Pelle family. IRAKs associate with the IL1/Toll receptors after IL-1 or LPS stimulation, thereby playing an important role in the inflammatory response.

IRAK3 inhibits the dissociation of IRAK1 and IRAK4 from the Toll-like receptor signalling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilising the receptor complex. It is predominantly expressed in peripheral blood lymphocytes. Defects in the IRAK3 gene are associated with susceptibility to asthma-related traits type 5.

Rabbit anti Human IRAK3 antibody does not cross-react with IRAK or IRAK2.

---

**Western Blotting** AHP1611 detects a band of approximately 68kDa in mouse spleen lysates.

---

**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee** 12 months from date of despatch

---

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1611>  
10040

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M363967:200529'

**Printed on 25 Mar 2023**