



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08674-T - Goat Anti-IRAK3 (mouse) Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** IRAK3, interleukin-1 receptor-associated kinase 3, ASRT5, IRAK-M, IRAKM, interleukin-1 receptor-associated kinase M

**Official Symbol:** IRAK3

**Accession Number(s):** NP\_082955.2

**Non-Human GeneID(s):** 73914 (mouse), 314870 (rat)

### Immunogen

Peptide with sequence C-GHSYGSKPMEKR, from the internal region (near the C Terminus) of the protein sequence according to NP\_082955.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 65-70kDa band observed in Rat Liver lysates, and in preliminary testing of Rat Adrenal Gland lysate (calculated MW of 69.0kDa according to Rat, NP\_001101571.1 and 67.8kDa according to Mouse NP\_082955.2). Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature.

A customer detected a band at approx. 70kDa in Mouse Bone Marrow lysates, which was not present in the knock-out mouse.

### Species Reactivity

**Tested:** Mouse, Rat

**Expected from sequence similarity:** Mouse, Rat

### Specific Reference

**This antibody has been successfully used in the following paper:**

Gurcan Tunali, Marta Rúbies Bedós, Divya Nagarajan, Patrik Fridh, Irineos Papakyriacou, Yumeng Mao

IL-1 receptor-associated kinase-3 acts as an immune checkpoint in myeloid cells to limit cancer immunotherapy

J Clin Invest. 2023 Apr 3;133(7):e161084.

PMID: 36757800

B08674 (0.1ug/ml) staining of Rat Liver lysate (35µg protein in RIPA buffer). Detected with chemiluminescence.

EB08674 (0.5µg/ml) staining of Mouse Bone Marrow (wildtype first lane, KO second lane) lysates (35µg protein in RIPA buffer). Primary incubation was overnight at 4C Detected with chemiluminescence. Data obtained from anonymous customer.