



## UK Office

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

## EB09874 - Goat Anti-AIM2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** absent in melanoma 2, PYHIN4, AIM2

**Official Symbol:** AIM2

**Accession Number(s):** NP\_004824.1; NP\_001335176.1

**Human GeneID(s):** [9447](#)

### Immunogen

Peptide with sequence C-GEKLQLTSGVHSTIK, from the C Terminus of the protein sequence according to NP\_004824.1; NP\_001335176.1.

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 1:8000.

**Western blot:** Approx 37kDa band observed in lysates of cell line HeLa (calculated MW of 39.0kDa according to Human NP\_004824.1). Recommended concentration: 0.5-1ug/ml. Primary incubation 1 hour at room temperature.

**IHC:** In paraffin embedded Human Spleen shows nucleolar staining in some splenocytes. Recommended concentration: 4-6µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in U2OS and HeLa cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB09874 (0.75µg/ml) staining of HeLa cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09874 (3.75µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB09874 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB09874 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB09874 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.