

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB11165 - Goat Anti-MTHFR (aa369-383) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 5,10-methylenetetrahydrofolate reductase (NADPH), methylenetetrahydrofolate reductase, methylenetetrahydrofolate reductase (NAD(P)H), OTTHUMP00000002367, OTTHUMP00000002373, MTHFR

**Official Symbol:** MTHFR

**Accession Number(s):** NP\_005948.3

**Human GeneID(s):** [4524](#)

**Non-Human GeneID(s):** 17769 (mouse), 362657 (rat)

### Immunogen

Peptide with sequence C-SRPKSYIYRTQEWDE, from the internal region of the protein sequence according to NP\_005948.3.

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 70kDa band observed in lysates of cell line NIH3T3 (calculated MW of 74.6kDa according to Human NP\_005948.3 and Mouse NP\_034970.2).

Recommended concentration: 0.3-1µg/ml.

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB11165 (0.3 $\mu$ g/ml) staining of NIH3T3 lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.