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

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

## Product: EB06668 – Goat anti-MOG

### **Target Protein**

Principal Names: MOG; MGC26137; myelin oligodendrocyte glycoprotein

Official Gene Symbol: MOG

Accession Number(s): NP\_002424; NP\_996532; NP\_001008229; NP\_996535

Human Gene ID(s): 4340

Gene Ontology terms: central nervous system development; integral to plasma membrane; synaptic transmission

This antibody is expected to recognise NP\_002424 (isf 1), NP\_996532 (isf a1), NP\_001008229 (isf a3), NP\_996535 (isf a2)

### **Immunogen**

Peptide with sequence C-AGQFLEELRNPF, from the C Terminus of the protein sequence according to NP\_002424; NP\_996532; NP\_001008229; NP\_996535

### **Purification**

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

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:16,000. Western Blot: Approx 26kDa band observed in Human Brain lysates (calculated MW of 25.4kDa according to NP\_001008229, isoform a3). Recommended concentration: 0.03-1µg/ml.

### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

### **Background Reference**

Zai G, King N, Wigg K, Couto J, Wong GW, Honer WG, Barr CL, Kennedy JL. Genetic study of the myelin oligodendrocyte glycoprotein (MOG) gene in schizophrenia.

Genes Brain Behav. 2005 Feb;4(1):2-9.

PMID: 15660663



EB06668 staining (0.03 $\mu$ g/ml) of Human Brain lysate (RIPA buffer, 30 $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.