

## UK Office

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

## EB09020 - Goat Anti-MYH9 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** myosin, heavy chain 9, non-muscle, RP1-68O2.1, DFNA17, EPSTS, FTNS, MGC104539, MHA, NMHC-II-A, NMMHCA, MYH9 variant protein, OTTHUMP00000028706, cellular myosin heavy chain, type A, myosin, heavy polypeptide 9, non-muscle, non-muscle myosin heavy chain, non-muscle myosin heavy polypeptide 9, nonmuscle myosin heavy chain II-A

**Official Symbol:** MYH9

**Accession Number(s):** NP\_002464.1

**Human GeneID(s):** [4627](#)

### Immunogen

Peptide with sequence C-DQINTDLNLSRSH, from the internal region of the protein sequence according to NP\_002464.1.

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 1:32000.

**Western blot:** Approx 250kDa band observed in lysates of Human Peripheral Blood Mononucleocytes and of NIH3T3 (calculated MW of 227kDa according to Human NP\_002464.1 and to Mouse NP\_071855.2). Recommended concentration: 0.3-1µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific Reference

**This antibody has been successfully used in Western blot on Human:**

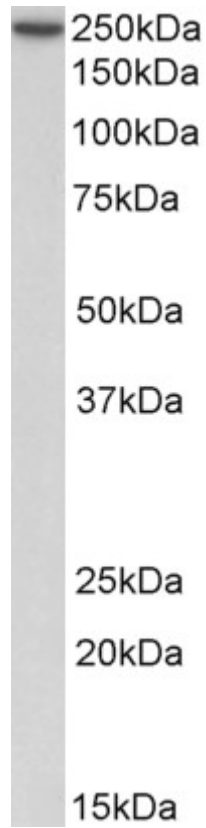
Harms RZ, Borengasser K, Kumar V, Sarvetnick N

Anti-human Interleukin

(IL)-4 Clone 8D4-8 Cross-React With Myosin-9 Associated With Apoptotic Cells and Should Not Be Used for Flow Cytometry Applications Querying IL-4 Expression.

Front Cell Dev Biol. 2019 Apr 9;7:46.

PMID: 31024909



EB09020 (0.3µg/ml) staining of Human peripheral blood lymphocytes lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09020 (1µg/ml) staining of NIH3T3 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.