



## UK Office

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

## EB07424 - Goat Anti-DRD5 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DRD5, dopamine receptor D5, DBDR, DRD1B, DRD1L2, MGC10601, D1beta dopamine receptor, dopamine receptor D1B

**Official Symbol:** DRD5

**Accession Number(s):** NP\_000789.1

**Human GeneID(s):** [1816](#)

### Immunogen

Peptide with sequence C-NREVDNDEEEGPFD, from the internal region of the protein sequence according to NP\_000789.1.

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 1:128000.

**Western blot:** Preliminary testing showed a band at approx 55kDa in Caco-2 and U2OS cell lysate after 1-2µg/ml antibody staining (calculated MW of 53.0kDa according to NP\_000789.1). Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and plasma membranes of U251 and HeLa cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of U251 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB07424 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB07424 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 plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB07424 Flow cytometric analysis of paraformaldehyde fixed U251 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.