



## UK Office

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

## EB05530 - Goat Anti-MLH3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MLH3, mutL homolog 3 (E. coli), HNPCC, HNPCC7, MGC138372, S240I117, mutL (E. coli) homolog 3, mismatch repair gene MLH3, DNA mismatch repair protein MLH3, mutL homolog 3

**Official Symbol:** MLH3

**Accession Number(s):** NP\_001035197.1; NP\_055196.2

**Human GeneID(s):** [27030](#)

**Important Comments:** This antibody is expected to recognize isoform 1 (NP\_001035197.1) and isoform 2 (NP\_055196.2).

### Immunogen

Peptide with sequence RQSLQQSMPPCEPP, from the C Terminus of the protein sequence according to NP\_001035197.1; NP\_055196.2.

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 1:2000.

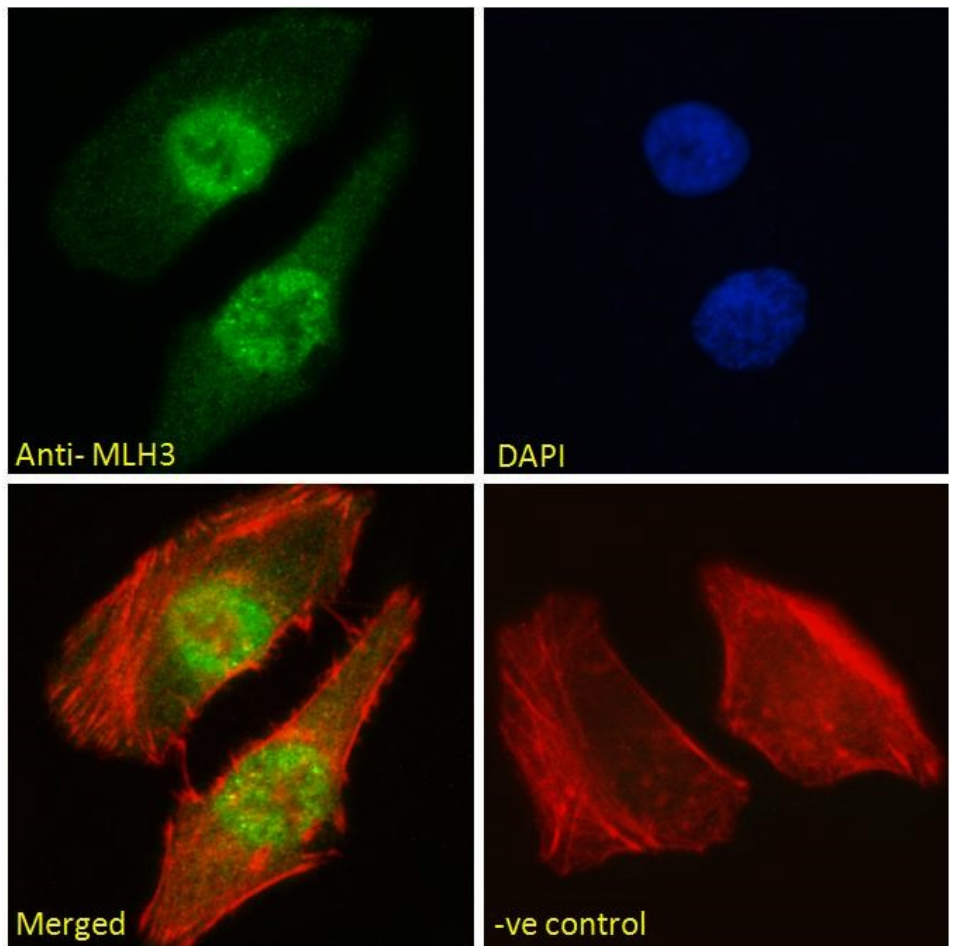
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of HeLa cells. Recommended concentration: 10µg/ml.

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

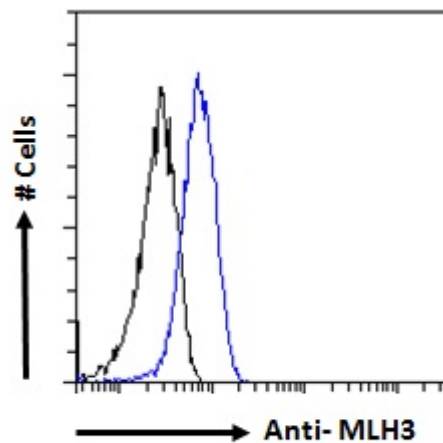
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB05530 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 nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05530 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.