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

## EB10658 - Goat Anti-Muc5b (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Muc5b, mucin 5, subtype B, tracheobronchial, 2300002I04Rik, A130042M24, AV085033, MUC5, MUC9, mucin 5b

**Official Symbol:** Muc5b

**Accession Number(s):** NP\_083077.2

**Human GeneID(s):** [727897](#)

**Non-Human GeneID(s):** 74180 (mouse), 309114 (rat)

**Important Comments:** EB06890

### Immunogen

Peptide with sequence QHTYTHIDEEN, from the internal region of the protein sequence according to NP\_083077.2.

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 1:128000.

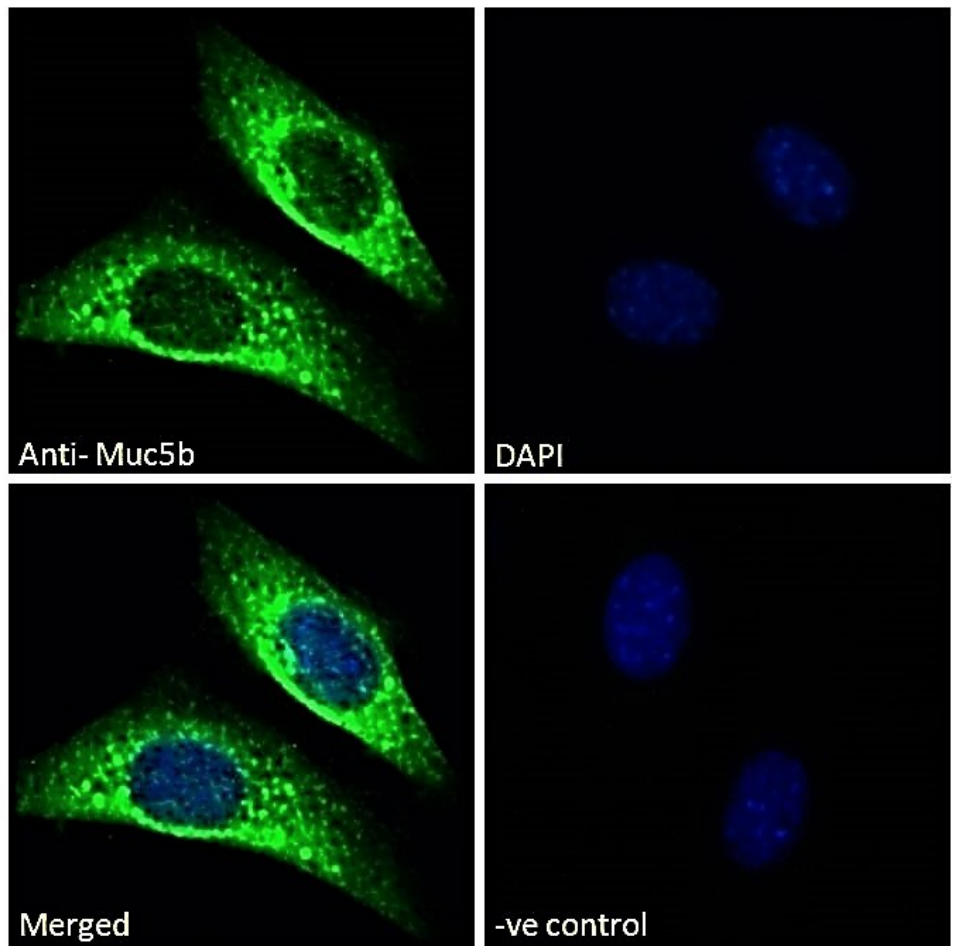
**Western blot:** Not yet tested - our routine western blotting protocol does not allow for the detection of proteins >250kDa.

**Immunofluorescence:** Strong expression of the protein seen in vesicles of NIH3T3 cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Mouse

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



EB10658 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).