

**Antibody to FMG-1B (61)**
MOUSE MONOCLONAL

Catalog Number: AB-V03
Quantity: 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Mouse
Clone: 61
Immunogen: An amino acid sequence in the core protein of Flagellar membrane glycoprotein 1B/ FMG-1B

Background: FMG-1B is the principal membrane glycoprotein found in the flagella of the bi-flagellate green algae *Chlamydomonas*. It plays a key role in intraflagellar transport (IFT) by serving as the flagellar surface component responsible for motor-driven force transduction. This function is essential for the proper assembly and maintenance of flagella, which are critical for motility and signaling in *Chlamydomonas*.

Specificity & Preparation: This mouse IgG1 antibody recognizes an amino acid sequence in the core protein of Flagellar membrane glycoprotein 1B/ FMG-1B

Usage: Applications include immunocytochemistry, immunofluorescence, flow cytometry, and immunoprecipitation. Working dilutions must be determined by end user.

Storage: Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Bloodgood RA, Woodward MP, Salomonsky NL (1986) Redistribution and shedding of flagellar membrane glycoproteins visualized using an anti-carbohydrate monoclonal antibody and concanavalin A. *J Cell Biol* 102(5):1797-1812. doi: 10.1083/jcb.102.5.1797 PMID: 3009491

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