



Applied Biological Materials Inc

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## Mouse Antibody Isotyping Kit

Store at 4°C

Cat. No.	Description	Quantity
G616	Mouse Antibody Isotyping Kit	10 tests
G617	Mouse Antibody Isotyping Kit	20 tests

### Product Description

The Mouse Antibody Isotyping Kit offers ELISA-grade sensitivity in determining monoclonal antibody classes (IgG1, IgG2a, IgG2b and IgM) and subclasses ( $\kappa$  and  $\lambda$  light chains) within 5 minutes. It is a lateral flow assay designed to test samples from hybridoma culture supernatant, purified monoclonal antibody, and/or ascites fluid\*. Results are in a red colour-readout format, with an appearance of a control red band to indicate the success of the assay. The Mouse Antibody Isotyping Kit is specific with no cross-reactivity with fetal bovine serum (FBS) or among each isotype.

\* Results of ascites fluid may vary due to presence of multiple Igs from host serum.

### Shipping and Storage

Upon arrival, the Mouse Antibody Isotyping Kit should be stored at 4°C in original packaging and is stable for up to 18 months. Freezing is not recommended.

### Mouse Antibody Isotyping Kit Protocol

1. Allow original package to equalize to room temperature before removing cards. Return any unused cards back to original packaging and keep at 4°C. Place the card horizontally flat on level surface.
2. Add 80-100  $\mu$ l of diluted sample (see Table 1) directly to the loading well. Wait for 5 minutes.
3. Red test line corresponding to an antibody-specific isotype/subclass and a red control line at "C" region will appear within 1-5 minutes.

**Table 1: Recommended Sample Dilutions**

Cell Culture Supernatant	1:100 dilution with PBS
Purified Antibody	500 - 2000 ng / mL
Ascites Fluid	1:10,000 dilution with PBS

**Note:** If no red control band shows up, the assay result is void.