



Applied Biological Materials Inc

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Rat Antibody Isotyping Kit

Store at 4°C

Cat. No.	Description	Quantity
G618	Rat Antibody Isotyping Kit	10 tests
G619	Rat Antibody Isotyping Kit	20 tests

Product Description

The Rat Antibody Isotyping Kit offers ELISA-grade sensitivity in determining monoclonal antibody classes (IgG1, IgG2a, IgG2b, IgG2c, IgA, and IgM) and subclasses (κ and λ 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 Rat 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 Rat 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 μ 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.