

Product information

Product number

ISOTYPE01

Description

This card is used for isotyping rat monoclonal antibodies including IgG1, IgG2a, IgG2b, IgG2c and IgM. It is simple to use and can get results within 5 minutes.

Storage condition

Store at room temperature for 2 months. For longer use, the card can be stored at 4 to 8°C.

Instruction of use

- 1. Prepare samples to be tested. Samples can be rat monoclonal antibodies in cell culture or in purified forms. The suggested detection range is between 1 $\mu g/mL$ 10 $\mu g/mL$. If antibody concentration is too high, please dilute the sample either using phosphate buffered saline (PBS), pH 7.4 or just simply using deionized water. The total volume of the sample should be more than 180 μL .
- 2. Open the purple colored bag and take the card out. The card should be used within 30 minutes.
- 3. Write the sample ID and date on the card.
- 4. The card has 3 oval-shaped wells. Add 60 μ L of sample to each well. Wait 2 to 5 minutes until the positive control bands (marked with C) appeared.
- 5. The band at the corresponding position indicates the antibody isotype, i.e, G1 (IgG1), 2a (IgG2a), 2b (IgG2b), 2c (IgG2c), M (IgM).

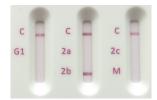
Typical results using culture supernatants of hybridoma cells



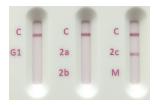
Rat IgG1 antibody



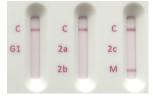
tibody Rat IgG2a antibody



Rat IgG2b antibody



Rat IgG2c antibody



Rat IgM antibody