

HBT MOUSE MAB ISOTYPING TEST KIT

An easy one-step procedure for the determination of the isotype of mouse monoclonal antibodies (heavy and light chains).

PRINCIPLE OF THE TEST

The Hbt Mouse Monoclonal Antibody Isotyping Kit is based on a novel detection system which eliminates the need for radioactive tracers, enzymes and substrates, and reduces the number of handling steps.

The one-step process involves the capture of the mouse immunoglobulins by a specific rat anti-mouse monoclonal antibody which is immobilized on the test strip. Captured mouse immunoglobulins are detected directly by a second rat monoclonal antibody which is coupled to colloid particles. This detector complex results in the formation of a black spot on the test strip. Intensity of the spot is indicative of the antibody concentration in the sample.

The bound antibody and colloidal detector complex form a visual signal and a permanent record of results.

A positive control indicates whether mouse immunoglobulins are present or not. A second spot identifies the monoclonal antibody subtype. Note: Less than 2% of hybridoma lines produce immunoglobulins which are of the lambda light chain configuration. This can be detected by a second step.

SPECIAL FEATURES OF THE KIT

- Results within 5-30 minutes.
- Easy use of assay
 - one-step procedure.
 - Dipstick format.
 - no enzyme reaction.
 - no stopping reaction.
- Highly specific due to use of affinity purified monoclonals.
- High sensitivity - less than 100 ng/ml can be detected.
- Non-radioactive assay.
- Sol-particle detection system.
- Direct reading of results - no alignment with references.
- Permanent record of results.

AVAILABILITY

The Hbt Mouse Mab Isotyping tests are available in kits for 10 and 20 tests.

PRODUCT NUMBER: HL2010 (10 tests)

PRODUCT NUMBER: HL2020 (20 tests)

For research purposes only.

Caution: Not for use in humans.