

RAT ISOTYPING KIT Assay Kit

RAT MONOCLONAL ANTIBODY ISOTYPING TEST KIT

CATALOG #
AAA50633

APPLICATIONS
IS (Isotyping Assay)

PRODUCT SYNONYMS

RAT ISOTYPING KIT; RAT MONOCLONAL ANTIBODY ISOTYPING TEST KIT; RAT ISOTYPING KIT assay kit

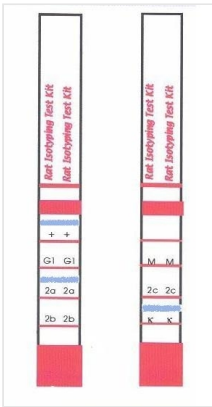
PRODUCT SPECIFICATIONS

Form/Format	Kit
Technical Advice	PROBLEM No heavy and or light-chain band appeared on the strip, but the positive flow control bands appeared. Possible causes: 1. The antibody concentration was too low - prepare a less dilute sample and re-test. 2. No antibody was in the sample - the hybridoma is either not secreting or is not a rat monoclonal. If possible sub-clone the hybridoma and re-test. 3. Freshly diluted samples were not used - prepare fresh dilutions and re-test. PROBLEM Multiple heavy and light-chain bands appear on the strip. Possible causes: 1. Antibody concentration was too high - dilute sample further and re-test. 2. For ascites, there may be small amounts of contaminating antibodies produced - dilute sample further and re-test. 3. For tissue culture supernatant, a mixed culture may be present - re-clone the hybridoma and re-test. PROBLEM No positive flow control bands appear. Possible causes: 1. Sample volume was too low <150ul) - carefully dilute a fresh sample and pipette 150ul into a new development tube and re-test. 2. Strip removed from development tube too early - re-test and allow strip to react for at least 10 minutes.
Reagents In The Kits	1 Desiccant vial containing rat isotyping test strips, 10 tests. 10 Capped ready-to-use lyophilized microparticle development tubes. Instructions For Use
Applicable Applications for RAT ISOTYPING KIT assay kit	IS (Isotyping Assay)
Target Species	Rat
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. Do not use components from different lots. Shelf Life: 12 months from date of despatch.



Application Data

Rat isotyping test kits (AAA50633) contain simple dipstick test strips that give accurate results in less than 10 minutes. They have a high sensitivity during very early culture and all major classes and subclasses of immunoglobulin are discernable



Application Data

For a permanent experimental record or for an easier interpretation of results when testing multiple samples, the solid red area may be cut off the bottom of the strip to prevent further band development once the positive flow control bands have appeared. A gentle stream of air can be applied to the membrane portion of the strip to assist in drying the membrane and preventing any further development. Do not wash the strip to stop the reaction.

ADDITIONAL INFORMATION

Related Product Information for RAT ISOTYPING KIT assay kit

Description: The rat monoclonal antibody isotyping test kit shows no cross-reactivity with bovine IgG (**Test Principle:** The assay principle is based on mouse polyclonal anti-rat antibodies coupled onto coloured micro particles and equally reactive to any rat monoclonal antibody regardless of its isotype. The isotyping strip has immobilized bands of monoclonal mouse anti-rat antibodies corresponding to each of the common rat antibody isotypes (IgG1, IgG2a, IgG2b, IgG2c and IgM) and to kappa light chains only. One side of the strip bears a positive flow control band, which indicates that the antibody-coated coloured micro particles have migrated through the strip. By using these two components, a rat monoclonal antibody can be screened for isotype by simply diluting the antibody sample, pipetting the diluted sample into the development tube where it forms a complex with the antibody coated micro particles, and inserting the strip. This complex flows through the strip until it is bound by the immobilized mouse anti-rat antibody specific for the rat monoclonal's isotype and its light chain. In approximately 5-10 minutes, the micro particle complex will aggregate as blue bands in the two sections corresponding to the monoclonal antibody's isotype and its light chain. Development of the strip is complete when the positive flow control band on one side of the test strip turns blue.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/rat-isotyping-kit/50633>