



Monoclonal Antibodies to Human IgG

Technical Data Sheet

Reagent Category

Monoclonal primary antibodies to
Human IgG

Antibody Formats Supplied

- 7 ml of anti human IgG Ready-To-Use
- 0.2 ml of anti human IgG Concentrate

PRODUCT# IMI25561E (Ready-To-Use)

PRODUCT# IMI25552E (Concentrate)

SPECIES: Mouse ascites

IMMUNOGLOBULIN ISOTYPE: IgG1

IMMUNOGEN: purified human gamma heavy chain of IgG immunoglobulin

CLONE: Pool of several monoclonal against each IgG sub-isotypes

REACTIVITY

This antibody is reactive with gamma chain (heavy chain) of IgG class of immunoglobulins. This antibody does not cross react with other immunoglobulin types such as IgD, IgA and IgE or IgM. This antibody is often employed in study of IgG levels in certain immunodeficiencies. This antibody is suitable for use on paraffin or acetone fixed frozen sections. For staining paraffin sections, see special usage guidance of this data sheet. This antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Tonsil

PRODUCT FORMAT, DILUTIONS and INCUBATIONS

Monoclonal anti human IgG antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide.

7 ml of pre-diluted, Ready-to-Use; Do not dilute. Incubate for 20-30 minutes incubation time range is due to the strength of the secondary employed.

0.2 ml of concentrate; for 30-minute incubation, dilute 1:50-1:100.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT (2-step) detection systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

SPECIAL USAGE GUIDANCE

For staining paraffin sections with this antibody, the use of HRP-Enhancing Wash Buffer or enzyme pre-digestion is highly recommended. The use of a HRP-Enhancing buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps greatly enhances staining signals. Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.

CONTINUED OVER



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APPLICATIONS

This antibody is intended for use in immunolocalization of IgG in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of human IgG antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human tissue has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY