



# American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

## Monoclonal Antibodies to Human IgA ( $\alpha$ chain)

### Technical Data Sheet

#### Reagent Category

Monoclonal primary antibodies to  
Human IgA

#### Antibody Formats Supplied

- 7 ml of anti human IgA, Ready-To-Use
- 0.2 ml of anti human IgA, Concentrate

**PRODUCT# IMI25261E (Ready-To-Use)**

**PRODUCT# IMI25252E (Concentrate)**

**SOURCE:** Mouse ascites

**IMMUNOGLOBULIN ISOTYPE:** IgG1

#### **REACTIVITY**

This antibody is reactive with the heavy chain of human IgA, alpha chain, it is non-cross reactive with other human immunoglobulins such as Human IgM, IgG or IgD This antibody is suitable for use on routinely fixed paraffin embedded (see special usage guidance of this data sheet) and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

**POSITIVE CONTROL TISSUE:** Tonsil

**STAINING PATTERN:** Membrane and/ or cytoplasmic staining

#### **Antibody FORMAT, DILUTIONS and INCUBATIONS**

This affinity purified monoclonal anti human IgA antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide.

**7 ml of Ready-to-Use; Do not dilute.** Incubate for 30 minutes for paraffin sections. **This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

*For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

**0.2 ml of Concentrate:** Dilute 1:50 for 30 minute incubation. **For longer incubation time the titer must be determined by the end user. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

*For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

**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 must be determined by the end user for specific detection system employed.**

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## APPLICATIONS

This antibody is intended for use in immunolocalization of IgA 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 and /or quantitative localization of IgA surface 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 PROFESSIONAL AND RESEARCH USE ONLY***