



## Monoclonal Antibody to Anti-Human CD25

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to CD25

PRODUCT# IMI15061E (Ready-To-Use)

PRODUCT# IMI15052E (Concentrate)

#### Antibody Formats Supplied

5 ml of anti CD25, Ready-To-Use

0.2 ml of anti CD25, Concentrate

**SOURCE:** Mouse

**IMMUNOGEN:** Activated human T cells

**CLONE:** Tu69

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**POSITIVE CONTROL TISSUE:** Tonsil

#### **REACTIVITY**

This CD25 antibody reacts with CD25 antigen, a glycoprotein of 55 kD molecular weight that is low affinity receptor for interleukin 2. CD25 is expressed on activated B and T cells, on activated macrophags, CD 25 is not found on natural killer (NK) cells, on thymocytes and on resting (non activated) B and T cells. This antibody is best suitable for staining frozen sections and cell smears. For staining paraffin sections see special usage guidance section of this data sheet.

**STAINING PATTERN:** Membrane staining

#### **Antibody FORMATS, DILUTIONS and INCUBATIONS**

This monoclonal mouse anti CD25 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide. This antibody is available in:

5 ml of pre-diluted, Ready-To-Use, Do not dilute. Incubate for 30 minutes to overnight.

0.2 ml of concentrate. The suggested starting dilution for 30 minute incubation 1:40 for paraffin sections, 1:100 for frozen sections. The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed.

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

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## **SPECIAL USAGE GUIDANCE**

The use of Enhancing wash buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) is highly recommended. The use of signal-Enhancing wash buffers produce great staining even for weak or overfixed tissues in a single try and without repetitive procedures. They also further allow the user to cut primary incubation time and/or increase antibody dilution. The use of high heat antigen recovery may be required for paraffin section immunostaining.

## **APPLICATIONS**

This antibody is intended for use in immunolocalization of CD25 antigen in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting, dot blotting and for use in functional assays in adhesion research. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of CD25 antigen. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## **SPECIES REACTIVITY**

This antibody reactivity with human 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***