



## Monoclonal Antibody to **Anti-Human CD62E (ELAM-1)**

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
CD 62E (ELAM-1)

#### Antibody Formats Supplied

- 5 ml of anti CD62E, Ready-To-Use
- 0.2 ml of anti CD62E, Concentrate

PRODUCT# IMI16861E (Ready-To-Use)

PRODUCT# IMI16852E (Concentrate)

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**SOURCE:** Purified cultured supernatant

**IMMUNOGEN:** Purified human E-selectin (ELAM-1)

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**CLONE:** 16G4

**POSITIVE CONTROL SLIDE:** Inflamed tonsil, placenta, bone marrow

#### **REACTIVITY**

CD62E (ELAM-1) also known as E-selectin belongs to human intercellular adhesion molecule, which is associated with the immunoglobulin superfamily. ELAM-1 is a transmembrane molecule that is present on activated endothelial cells. This monoclonal anti human CD62E (ELAM-1) reacts with E-Selectin which is expressed on the surface of activated endothelial cells. ELAM-1 antibody inhibits neutrophil adhesion to E-Selectin when used as (fab'2) fragments. This antibody can be used for immunohistochemistry, frozen and paraffin sections, for flow cytometry, ELISA, immunoblotting and immunoprecipitation. It is suitable for use on routinely fixed paraffin embedded or frozen cell smears and cytospin preparations.

**STAINING PATTERN:** Membrane staining

#### **Antibody FORMAT, DILUTION and INCUBATION**

Monoclonal mouse anti CD62E (ELAM-1) antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide. This antibody is available in:

- 5 ml of pre-titered, Ready-To-Use, Do not dilute.** Incubate 1- hour to overnight for paraffin sections, incubate for 30 minutes for frozen sections. The use of INNOVEX STAT staining system and washing with INNOVEX Enhancing Wash Buffer is highly recommended when staining paraffin sections. **This antibody best stains when formalin fixed paraffin embedded tissue sections are retrieved. This antibody best stains when formalin fixed paraffin embedded tissue sections are retrieved.**

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

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□ **0.2 ml of concentrate.** The working titer must be determined by the end user for all applications employed. The suggested starting dilution factor for paraffin sections: 1:25 for 1 hour to overnight. The dilution factors for frozen sections, ELISA and flow cytometry are higher and it must be determined by the end user for the secondary staining or labeling reagents and specimen employed.

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*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 employee*

## APPLICATIONS

This antibody is intended for use in immunolocalization of CD62E antigen in human tissue by a variety of immunoassays such as Immunocytochemistry, ELISA, Immunoblotting, dot blotting, flow cytometry and for use in functional assays in adhesion research. In immunocytochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of CD62E antigen. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

**POSITIVE CONTROL TISSUE:** Tonsil

## 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.**

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