

Mouse Anti-CD62E/E-Selectin [D7]: MC0517, MC0517RTU7

Intended Use: For Research Use Only

Description: Leukocytes adhere to the blood vessel endothelium during extravasation in postcapillary venules of lymph nodes. In addition, leukocyte adhesion occurs in the capillaries and small venules at any site in the body after onset of inflammation. This response is immediate and involves a cascade of adhesion receptors. At the endothelial surface members of the selectin and immunoglobulin superfamilies participate in this cascade. Selectins are C-type cell surface lectins that play a role in leukocyte adhesion to the blood vessel wall endothelium. E-selectin (CD62E) is an endothelial cell specific selectin that is expressed only after activation with proinflammatory cytokines. In vitro experiments have shown that IL-1, TNFalpha and bacterial wall components like lipopolysaccharides induce the transcription of E-selectin in a NFkB dependent signaling cascade. E-selectin (CD62E) has been associated with blood vessel endothelium in diverse inflammatory situations.

Specifications:

Clone: D7
 Source: Mouse
 Isotype: IgG2a/k
 Reactivity: Human, mouse, rat
 Immunogen: Human CD62E (E-Selectin) C-terminus aa 311-610
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, ICC/IF, IP, WB
 Package:

| Description | Catalog No. | Size |
|-------------------------------|-------------|------|
| CD62E/E-Selectin Concentrated | MC0517 | 1 ml |
| CD62E/E-Selectin Prediluted | MC0517RTU7 | 7 ml |

IHC Procedure*:

Positive Control Tissue: Placenta, aorta tissues
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-CD62E using DAB

References:

1. Elevated plasma levels of P-selectin glycoprotein ligand-1-positive microvesicles in patients with unprovoked venous thromboembolism. Jamaly S, et al. J Thromb Haemost N/A:N/A, 2018.
2. GPR4 deficiency alleviates intestinal inflammation in a mouse model of acute experimental colitis. Sanderlin EJ, et al. Biochim Biophys Acta Mol Basis Dis 1863:569-584, 2017.
3. Histological and Biochemical Comparisons between Right Atrium and Left Atrium in Patients with Mitral Valvular Atrial Fibrillation. Park JH, et al. Korean Circ J 44:233-42, 2014.

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