

**anti-rat Endothelium PE-conjugated****Cat-No.: R32146P****1 ml****Clone:** MRC OX-43**Specificity:**

This anti-rat Endothelium monoclonal antibody recognizes a surface protein of M.W. 90kDa and generally reacts with all vascular endothelium in the rat except that of brain capillaries. This is the reciprocal tissue pattern to that of the transferrin receptor. It has been shown that the expression of the Endothelium antibody is on the luminal surface of blood vessels. It labels all peritoneal macrophages, a sub-population of alveolar macrophages (65%) and rare interstitial cells in the brain and heart. In addition this anti-rat endothelium mAb labels circulating erythrocytes, 22% of peripheral blood mononuclear cells and 17% of nucleated cells in bone marrow. It does not label granulocytes, dendritic cells, lymphocytes or lymphocyte blasts, thymocytes, lymph node cells, mast cells and platelets. This antibody has been invaluable in the demonstration of molecular heterogeneity of vascular endothelium.

**Isotype subclass:** Mouse IgG1**Form:**

Purified from ascitic fluid via Protein G Chromatography. PE- conjugated.

**Physical state:** Liquid**Buffer/Additives/Preservative:**

PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).

**Expiration date:**

The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:**

Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

**Application:**

Flow Cytometry

**References:**

1. Robinson, A.P., White, T.M. and D.W. Mason (1985), MRC OX-43: a monoclonal antibody which reacts with all vascular endothelium in the rat except that of brain capillaries, *Immunology*, 57, 231-237

**Warning:**

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only.

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