EuroBioSciences

Data Sheet

anti-human CD62P PE-conjugated

Cat-No.: H12446P **1 ml**

Clone: C2

Specificity: This clone has been derived from hybridization of SP2/0 Ag14 cells with spleen cells of a (BALB/c x A/J) mouse immunized with human platelets. This antibody has been clustered to CD62P in the Fourth, Fifth and Sixth International Workshop on Human White Cell Differentiation Antigens. The monoclonal antibody is directed against the CD62P-antigen (P-selectin, GMP-140 or PADGEM), which is expressed on megakaryocytes, endothelial cells and in platelet alpha granules and is translocated to the platelet surface upon activation with strong agonists (molecular mass 140 kDa). A similar protein, derived from endothelial cell Weibel-Palade bodies, is transiently expressed on the surface of activated endothelial cells.

Isotype subclass: Mouse IgG1

Form: This antibody was purified from ascites or tissue culture medium using column chromatography (ion exchange and/or affinity chromatography). Conjugated with R-phycoerythrin (PE). Molecular F/P ratio between 1.0 - 2.0.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).

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

Application: Detection of activated platelets. Thrombus imaging. Immunohistological investigation of endothelial cell function. Methods: Direct immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

References:

1. Dunlop, L.C. et al., J. Exp. Med., 175, 1147-50 (1992).
2. Skinner, M.P. et al., Biochem. Biophys. Res. Commun., 164, 73-76 (1989).
3. Skinner, M.P. et al., J. Biol. Chem., 266, 5371-74 (1991).
4. Moddermann, P.W. et al., Leucocyte Typing IV, 1038 (1989).

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.

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