

Monoclonal Antibody to APAAP Complex - Purified

Catalog No.: AM09117PU-N

Quantity: 1 ml

Host / Isotype: Mouse / IgG1

Recommended Isotype Controls: AM03095PU-N

Clone: 27/21

Immunogen: Alkaline Phosphatase from Calf Intestine

Format: **State:** Liquid purified IgG fraction
Purification: Ion Exchange Chromatography complexed with Alkaline Phosphatase
Buffer System: PBS, pH 7.4

Applications: Enzyme anti-Enzyme immunocomplex for use in Immunoassays for the detection of Mouse IgG, e.g. ELISA, Immunohistochemistry, Immunocytochemistry, Western blot, where endogenous peroxidase activity might cause background staining. APAAP complex usually gives higher sensitivity results than peroxidase conjugate complexes.

Not recommended for intestinal tissue sections or extracts (presence of endogenous Alkaline Phosphatase activity, which cannot be blocked by e.g. levamisole).

Working Dilution: 1/50 for Immunohistochemistry, dilute e.g. with PBS, pH 7.4

Incubation Time: 30 min at RT.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: APAAP Complex
Species: Mouse.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C.
Shelf life: one year from despatch.

General Readings:

1. Cordell JL, Falini B, Erber WN, Ghosh AK, Abdulaziz Z, MacDonald S, et al. Immunoenzymatic labeling of monoclonal antibodies using immune complexes of alkaline phosphatase and monoclonal anti-alkaline phosphatase (APAAP complexes). *J Histochem Cytochem.* 1984 Feb;32(2):219-29. PubMed PMID: 6198355.
2. Lansdorp PM, Wognum AW, Zeijlemaker WP. Stepwise amplified immunoenzyme staining techniques for the detection of monoclonal antibodies and antigens. *Methods Enzymol.* 1986;121:855-67. PubMed PMID: 3523140.
3. Mason, D.Y., Cordell, J.L., Abdulasiz, Z., Naiem, M. and Bordenave, G.: Preparation of peroxidase:antiperoxidase (PAP) complexes for immunohistological labelling of monoclonal antibodies. *J. Histochem. Cytochem.* 30, 114-1122. (1982)
4. Naser, W.L.: Single incubation multilayer immunotechnique. *J. Immunol. Methods* 129,

151-157. (1990)