

Product Information

Monoclonal Anti-Dog IgG, clone DG-22 produced in mouse, ascites fluid

Catalog Number **D6161**

Product Description

Monoclonal Anti-Dog IgG (mouse IgG1 isotype) is presented in the form of specially processed ascites fluid obtained from BALB/c mice bearing the DG-22 hybridoma. This hybridoma is a cloned cell line derived from a fusion between a mouse myeloma cell line and splenocytes from BALB/c mice immunized with purified dog IgG.

Monoclonal Anti-Dog IgG is a homogenous population of antibody molecules, which may be used for the localization of the dog IgG applying various immunochemical assays, such as ELISA, immunoblotting, and dot blot. In immunoblotting, this antibody recognizes an epitope located on the heavy chain of denatured and reduced dog IgG. No cross-reaction could be observed with human serum (IgG) and tissue components, or IgG derived from the following species: guinea pig, rat, bovine, rabbit, goat, sheep, horse, porcine, and cat.

Monoclonal Anti-Dog IgG reacts specifically with dog IgG. The specificity has been tested by ELISA and competitive ELISA using purified immunoglobulins of the above species.

Monoclonal antibody to dog IgG, which is devoid of any binding capacity to human and many other species may serve as an essential tool in many applications, especially in the identification of dog IgG and also as a monoclonal anti immunoglobulin secondary reagent. The monoclonal nature of the product guarantees the continued production of a constant titer antibody with the same specificity and chemical identity.

Reagent

Supplied in ascites fluid containing 15 mM sodium azide.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For extended storage, freeze in working aliquots at -20 °C. For continuous use; store at 2-8 °C for at least one month. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Antibody solution should be discarded if not used within 12 hours after diluting.

Product Profile

ELISA: a minimum antibody titer of 1:20,000 is recommended using 10 µg/ml freshly prepared dog IgG for coating.

Note: In order to obtain the best results in various different techniques and preparations we recommend determining optimal working dilutions by titration test.

DS,KAA,PHC 10/12-1