

Product Information

IgG3, Lambda from murine myeloma

clone Y5606, purified immunoglobulin

Catalog Number **M9019**

Product Description

The Y5606 tumor line that produces mouse IgG3, λ is a tetramethylpentadecane (pristane) induced plasmacytoma originated and carried subcutaneously in BALB/c mice. The hapten-binding specificity of the Y5606 IgG3 is for triethanolamine, adenosine monophosphate, and purine.

Reagent

The product, purified from ascites fluid, is provided as a solution in 0.02 M Tris buffered saline, pH 8.0, containing 0.02% 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

Store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots at -20 °C. Repeated freezing and thawing is not recommended.

Protein Content

Each vial contains at least 1mg of purified myeloma protein. Protein concentration is determined by the absorbance at 280 nm ($E_{280}^{1\%} = 14.0$).

Specificity

Specificity of the mouse IgG3, λ is determined by Mouse MC Isotyping Kit.

The purified immunoglobulin preparation is negative vs Anti-Mouse IgG1, Anti-Mouse IgG2a, Anti-Mouse IgG2b, Anti-Mouse IgA, Anti-Mouse IgM, and Anti-Mouse Kappa.

The purified immunoglobulin preparation is positive vs Anti-Mouse IgG3 and Anti-Mouse Lambda.

Identity and Purity

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the purified immunoglobulin followed by diffusion versus anti-mouse whole serum, anti-mouse IgG3 and anti-mouse lambda chain results in single arcs of precipitation.

Polyacrylamide gel electrophoresis (PAGE) analysis of the purified IgG3, λ shows two bands of protein (under reduced conditions) when stained using Reactive Blue R (Coomassie Blue).

DS, KAA,PHC 10/11-1