

Product Information

IgG2a, Kappa from murine myeloma

Clone UPC 10

purified immunoglobulin

Catalog Number **M9144**

Product Description

The UPC 10 tumor line that produces mouse IgG2a, κ is tetramethylpentadecane (pristane) induced plasmacytoma originated and carried intraperitoneally in BALB/c mice. The hapten binding specificity of the UPC-10 line is for β -2-6 linked fructosan.

Specificity of the mouse IgG2a, κ is determined by mouse monoclonal isotyping strips. The purified immunoglobulin preparation is non-reactive with anti-mouse IgA, IgM, IgG1, IgG2b and IgG3. Trace amounts of lambda chain may be present.

Identity and purity of the purified immunoglobulin is established by immunoelectrophoresis (IEP).

Electrophoresis of the mouse IgG2a, κ followed by diffusion versus anti-mouse whole serum, anti-mouse IgG2a and anti-mouse kappa chain results in single arcs of precipitation.

HPLC (gel filtration) analysis of the purified IgG2a, κ shows at least 95% purity.

Reagent

Provided as a solution in 0.02 M Tris buffered saline, pH 8.0, containing 0.02% sodium azide as a preservative.

Precautions

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 -20°C . The product may be stored frozen in working aliquots. Repeated freezing and thawing is not recommended.

Protein Content

Each vial contains at least 1mg of purified myeloma protein. Protein concentration is 1.0 mg/ml as determined by the absorbance at 280 nm ($E_{280}^{1\%} = 14.0$).

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