Rat IgG2b, kappa Isotype Control Antibody, Clone RTK4530

Antibodies

Rat monoclonal IgG2b, kappa isotype control antibody, unconjugated

Catalog #60077 500 μg 0.5 mg/mL #60077.1 50 μg 0.5 mg/mL



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Product Description

The RTK4530 antibody (IgG2b, kappa) is suitable for use as an isotype-matched control antibody in several applications to estimate the degree of non-specific binding by an antigen-specific antibody. Ideally, the isotype control should have the same subclass of heavy chain (IgA, IgD, IgE, IgG, or IgM) and light chain (kappa or lambda) as the specific antibody being used. If a conjugated antibody is used, an isotype control conjugated to the same molecule (e.g. fluorochrome) should be chosen. The use of an appropriate isotype control helps confirm the specificity of the antigen-specific antibody and indicates non-specific binding that may result from binding to Fc receptors or other cell components. The RTK4530 antibody recognizes keyhole limpet hemocyanin (KLH) and has unknown binding specificity, having been screened on a variety of activated, resting, live, and fixed tissues from several species, including mouse, rat, human, and non-human primates.

Target Antigen Name: IgG2b Isotype Control

Alternative Names: Not applicable

Gene ID: Not applicable

Species Reactivity: Not applicable

Host Species: Rat

Clonality:MonoclonalClone:RTK4530Isotype:IgG2b, kappa

Immunogen: Trinitrophenol + KLH

Conjugate: Unconjugated

Applications

Verified: FC

Reported: FA, FC, ICC, IF, IHC, IP, WB

Special Applications: This antibody clone has been verified for use as an isotype control antibody for assessing non-specific

binding to cells in flow cytometry applications.

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Purification: The antibody was purified by affinity chromatography.

Stability and Storage: Product stable at 2 - 8°C when stored undiluted. Do not freeze. For product expiry date, please contact

techsupport@stemcell.com.

Directions for Use: The suggested use of this antibody is at concentrations comparable to those of the specific antibody of

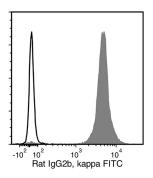
interest.

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Data



Flow cytometry analysis of C57BL/6 mouse splenocytes labeled with Rat IgG2b, kappa Isotype Control Antibody, Clone RTK4530, followed by a mouse anti-rat IgG2b antibody, FITC (solid line histogram). Filled histogram shows labeling with a rat IgG2b, kappa positive control antibody (Anti-Mouse CD45 Antibody, Clone 30-F11; Catalog #60030), followed by a mouse anti-rat IgG2b antibody, FITC.

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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