

Antibodies

Mouse IgM, kappa Isotype Control Antibody, Clone MM-30

Mouse monoclonal IgM, kappa isotype
control antibody, unconjugated

Catalog #60069

50 µg 0.5 mg/mL



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Product Description

The MM-30 antibody (IgM, 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 MM-30 antibody reportedly recognizes keyhole limpet hemocyanin.

Target Antigen Name:	IgM Isotype Control
Alternative Names:	Not applicable
Gene ID:	Not applicable
Species Reactivity:	Keyhole Limpet
Host Species:	Mouse
Clonality:	Monoclonal
Clone:	MM-30
Isotype:	IgM, kappa
Immunogen:	Trinitrophenol + KLH
Conjugate:	Unconjugated

Applications

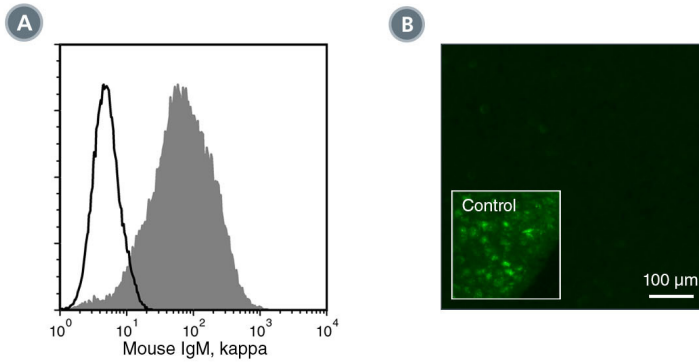
Verified:	FC, ICC, IF
Reported:	FA, FC, ICC, IF, IHC, IP, WB
Special Applications:	This antibody clone has been verified for use as an isotype control antibody for assessing non-specific binding to cells in flow cytometry and immunofluorescence microscopy applications (surface and intracellular staining).

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:	This antibody is at >85% purity as assessed by SDS-PAGE.
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.

Data



(A) Flow cytometry analysis of human H1 embryonic stem (ES) cells labeled with Mouse IgM, kappa Isotype Control Antibody, Clone MM-30, followed by goat anti-mouse IgG, FITC (solid line histogram), or a mouse IgM, kappa positive control antibody (Anti-Human TRA-1-60 Antibody, Clone TRA-1-60R; Catalog #60064) followed by goat anti-mouse IgG, FITC (filled histogram).

(B) Human H1 ES cells were cultured in mTeSR™1 (Catalog #05850) on Corning® Matrigel®-coated glass slides, then fixed and labeled with Mouse IgM, kappa Isotype Control Antibody, Clone MM-30, followed by goat anti-mouse IgG, FITC. Inset shows cells labeled with a mouse IgM, kappa positive control antibody (Anti-Human TRA-1-81 Antibody, Clone TRA-1-81; Catalog #60065).

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.

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