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Anti-Mouse KLRG1 Antibody, Clone 2F1, APC

Hamster (Syrian) monoclonal antibody against mouse KLRG1, APC-conjugated

Catalog #100-1632 | 100 µg | 0.2 mg/mL

Product Description

This monoclonal antibody reacts with the mouse killer cell lectin-like receptor G1 (KLRG1), a 30 - 38 kDa homodimer receptor and a member of the lectin-like type 2 transmembrane receptor family of proteins. This receptor is expressed by activated, mature natural killer (NK) cells and by effector and memory T cells. KLRG1 expression has been associated with reduced proliferative capacity of activated T lymphocytes or reduced effector functions of activated NK cells. It has also been noted that cell surface expression of KLRG1 is upregulated by expression of the major histocompatibility (MHC) class I molecules, and this can be mediated by interactions with class I-specific Ly49 inhibitory receptors. The expression of mouse KLRG1, using 2F1 antibody clone, has not been detected on the surface of mouse mast cell lines, bone marrow-derived mast cells, or peritoneal mast cells.

Target Antigen:	KLRG1
Alternative Names:	CLEC15A, MAFA, MAFA-2F1, MAFA-L, MAFA-LIKE
Gene ID:	50928
Species Reactivity:	Mouse
Host Species:	Hamster
Clonality:	Monoclonal
Clone:	2F1
Isotype:	Syrian hamster IgG
Immunogen:	IL-2 activated NK cells from C57BL/6 mice
Conjugate:	APC (Allophycocyanin)

Applications

Verified Applications:	FC
Reported Applications:	FC

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; FCXM: Flow cytometric crossmatch assay; FISH: Fluorescence in situ hybridization; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IHC-F: Immunohistochemistry (frozen-tissue); IHC-P: Immunohistochemistry (paraffin-embedded); IP: Immunoprecipitation; NMR: Nuclear magnetic resonance spectroscopy; RIA: Radioimmunoassay; WB: Western blotting

Properties

Product Formulation:	Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.1% gelatin
Purification:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. Stable until expiry date (EXP) on label.
Directions for Use:	For flow cytometry, the suggested use of this antibody is ≤ 1 µg per 1 x 10^6 cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each application.

Related Products

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

References

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