

Hamster anti-Mouse KLRG1 Monoclonal Antibody

Hamster Anti-Mouse KLRG1/MAFA-LE/AF

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78683	Hamster	Mouse	Immunoprecipitation, Flow Cytometry, Functional Assay

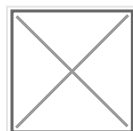
PRODUCT SYNONYMS

KLRG1; Monoclonal Antibody; Hamster Anti-Mouse KLRG1/MAFA-LE/AF; Hamster Anti-Mouse KLRG1/MAFA - Low Endotoxin/Azide-Free; Hamster Anti-Mouse KLRG1; MAFA; killer cell lectin-like receptor G1; mast cell function-associated-antigen; anti-KLRG1 antibody

PRODUCT SPECIFICATIONS

Host	Hamster
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Hamster (Syrian) IgG ₂
Clone Number	2F1
Specificity	Mouse/Human KLRG1; Mr 30-38 kDa
Form/Format	Supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS.
Applicable Applications for anti-KLRG1 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	IL-2-activated NK cells (A-LAK cells) from B6 (H-2b) mice
Preparation and Storage	Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

C57BL/6 mouse splenocytes were stained with Hamster Anti-Mouse KLRG1-FITC and Mouse Anti-Mouse NK1.1-PE

ADDITIONAL INFORMATION

Related Product Information for anti-KLRG1 antibody

The monoclonal antibody 2F1 reacts with mouse killer cell lectin-like receptor G1 (KLRG1; formerly known as mouse MAFA or 2F1-Ag), a homodimeric member of the lectin-like type 2 transmembrane receptor family that contain characteristic immunoreceptor tyrosine-based inhibitory motifs (ITIMs) in their cytoplasmic domains.^{1, 2} These ITIMs interact with the SH2 domains of protein phosphatases such as SHP-1.^{3, 4} The 2F1 antibody stains 30-60% of NK1.1+CD3- splenocytes, and a small fraction of T cells in all mouse strains tested (C57BL/6, BALB/c, 129/J, C3H.SW, AKR/J, SJL).^{1, 5} Cell surface expression of KLRG1 is up-regulated by expression of MHC class I molecules. The effect of MHC class I expression is indirect, and can be mediated by interactions with class I-specific Ly49 inhibitory receptors.

References

1. Corral, L., T. Hanke, R.E. Vance, D. Cado, and D.H. Raulet. 2000. Eur. J. Immunol. 30:920.
2. Hanke, T., L. Corral, R.E., Vance, and D.H. Raulet. 1998. 28:4409.
3. Burshtyn, D., A. Scharenberg, N. Wagtmann, S. Rajagopalan, M. Peruzzi, J.-P. Kinet, and E.O. Long. 1997. Immunity 4:77.
4. Nakamura, M.C., E.C. Niemi, M.J. Fisher, L.D. Schultz, W.E. Seaman, and J.C. Ryan. 1997. J. Exp. Med. 185:673.
5. Liu, S., and D.H. Raulet. Personal communication.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/klrg1-antibody-clone-2f1-immunoprecipitation-flow-cytometry-elisa/78683>