

Cell-Vive™ GMP Ultra-LEAF™ Purified anti-HU CD69 RecAb SF

Catalog# / Size	385703 / 100 µg 385704 / 1 mg
Clone	QA18A26
Other Names	Very Early Activation Antigen (VEA), Activation inducer molecule (AIM)
Isotype	Mouse IgG1, κ
Description	CD69, also known as activation inducer molecule (AIM), very early activation antigen (VEA), and MLR3, is a 27-33 kD type II transmembrane protein. It is a member of the C-type lectin family and expressed as a disulfide-linked homodimer. Other members of this receptor family include NKG2, NKR-P1 CD94, and Ly49. CD69 is transiently expressed on activated leukocytes including T cells, thymocytes, B cells, NK cells, neutrophils, and eosinophils. CD69 is constitutively expressed by a subset of medullary mature thymocytes, platelets, mantle B cells, and certain CD4+ T cells in germinal centers of normal lymph nodes. CD69 is involved in early events of lymphocyte, monocyte, and platelet activation, and has a functional role in redirected lysis mediated by activated NK cells. membrane and is tested negative for mycoplasma and microbial growth. Cell-Vive™ GMP Ultra-LEAF™ Biotin anti-human CD34 SF Antibody is for research and further ex vivo cell processing use only.
Quality Statement	<p>BioLegend Cell-Vive™ GMP Ultra-LEAF™ antibodies are manufactured and tested in accordance with USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and Ph. Eur. Chapter 5.2.12 in a dedicated GMP facility compliant with ISO 13485:2016. Specifications and processes include</p> <ul style="list-style-type: none"> • Ultra-Low endotoxin level (<0.01 EU/µg) • Manufactured under serum-free conditions • Bulks tested negative for mycoplasma and bacterial/fungal growth • Serum-free hybridomas are negative for the presence of murine virus • Batch-to-batch consistency • Vendor qualification • Raw material traceability and documentation • Documented procedures and employee training • Equipment maintenance and monitoring records • Lot-specific certificates of analysis • QA review of released products • Quality audits per ISO 13485:2016

Product Details

Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Formulation	0.1 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is < 0.01 EU/µg of the protein (< 0.001 ng/µg of the protein) as determined by the LAL test.
Endotoxin Level	Less than 0.01 EU/µg of the protein (< 0.001 ng/µg of the protein) as determined by the LAL test
Concentration	1.0 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. This Ultra-LEAF™ solution contains no preservative; handle under aseptic conditions.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes	Clone QA18A26 can completely block the binding of clone FN50 on target cells. This GMP Ultra-LEAF™ Purified antibody (Endotoxin < 0.01 EU/μg, Azide-Free, 0.1 μm filtered) is recommended for highly sensitive assays.
Disclaimer	BioLegend Cell-Vive™ GMP Ultra-LEAF™ antibodies are for research use only. Suitable for ex vivo cell processing. Not for injection or diagnostic or therapeutic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

Antigen Details

Structure	C-type lectin, type II glycoprotein, 28/32 kD
Distribution	Activated T cells, B cells, NK cells, Granulocytes, thymocytes, platelets, Langerhans cells
Function	Lymphocyte, monocyte, and platelet activation, NK cell killing
Ligand/Receptor	Galectin-1, S100A8/S100A9 complex, myosin light chains 9 and 12, and oxidized low-density lipoprotein

Antigen References	<ol style="list-style-type: none"> Schlossman S, <i>et al.</i> 1995. Leucocyte Typing V. Oxford University Press. Marzio R, <i>et al.</i> 1999. <i>Immunopharmacol Immunotoxicol.</i> 21:565-82.
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Gene ID [969](#)

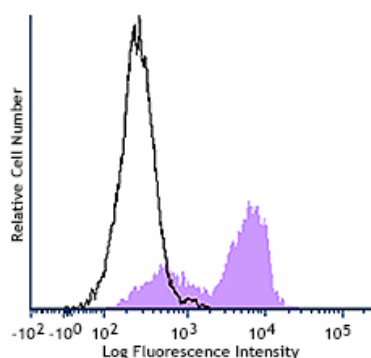
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD69 Recombinant Antibody

Product Data



Human peripheral blood lymphocytes stimulated with BioLegend Cell Activation Cocktail (cat#: 423302) for 2 days were stained with Cell-Vive™ GMP Ultra-LEAF™ anti-human CD69 Purified RecAb SF at 0.5 μg per test (Clone QA18A26, cat#: 385703, filled histogram) or an isotype control (Clone MOPC-21, cat#: 400101, open histogram). Both primary stains were followed by an anti-mouse IgG FITC secondary stain (Clone Poly4060, cat#: 406001).

For Research Use Only. Suitable for *ex vivo* cell processing. Not for injection or diagnostic or therapeutic use.

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