

Spark PLUS V475™ anti-mouse CD69 Recombinant Antibody

Catalog# / Size	164208 / 25 µg
Clone	QA17A41
Regulatory Status	RUO
Other Names	Very Early Activation Antigen (VEA), AIM, EA1, MLR3, gp34/28
Isotype	Rat IgG1, κ
Description	CD69 is a 60 kD type II membrane protein composed of a 27/33 kD disulfide-linked homodimer, also known as Very Early Activation (VEA) antigen, AIM, EA1, MLR3, and gp34/28. It is expressed on a subset of thymocytes and platelets. CD69 is rapidly induced on activated T and B cells, neutrophils, and NK cells. It is a C-type lectin, closely related to the NKR-P1 and Ly-49 NK cell activation molecules. CD69 is involved in the early events of cell activation and thymocyte positive selection.

Product Details

Verified Reactivity	Mouse
Antibody Type	Recombinant
Host Species	Rat
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with Spark PLUS V475™ under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
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 ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * Spark PLUS V475™ has a maximum excitation of 404 nm and a maximum emission of 475 nm.
Excitation Laser	Violet Laser (405 nm)
RRID	AB_3720615 (BioLegend Cat. No. 164208)

Antigen Details

Structure	C-type lectin, 27/33 kD
Distribution	Activated T cells and B cells, NK cells, granulocytes, thymocytes, platelets
Function	Lymphocyte activation
Cell Type	B cells, Granulocytes, NK cells, Platelets, T cells, Thymocytes, Tregs
Biology Area	Costimulatory Molecules, Immunology, Innate Immunity

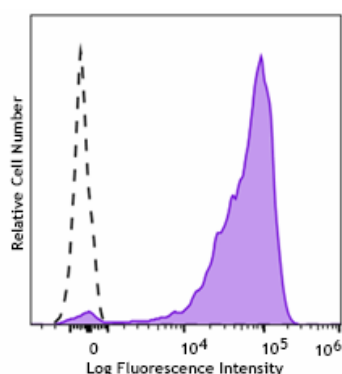
Related Protocols

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

Other Formats

Purified anti-mouse CD69 Recombinant Antibody, PE anti-mouse CD69 Recombinant Antibody, Spark PLUS V475™ anti-mouse CD69 Recombinant Antibody, StarBright UltraViolet 740 anti-mouse CD69 Recombinant Antibody, APC anti-mouse CD69 Recombinant Antibody

Product Data



PMA+ionomycin stimulated (6 hours) C57BL/6 mouse splenocytes were stained with anti-mouse CD69 recombinant (clone QA17A41) Spark PLUS V475™ (filled histogram). Open histogram represents unstained cells.

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