

Spark Red™ 718 anti-human CD26 Antibody

Catalog# / Size	302733 / 25 tests 302734 / 100 tests
Clone	BA5b
Regulatory Status	RUO
Workshop	VI N-L078
Other Names	ADA-binding protein, DPP IV ectoenzyme, EC 3.4.14.5, DPP4
Isotype	Mouse IgG2a, κ
Description	CD26 is a 110 kD type II membrane protein also known as ADA-binding protein and dipeptidyl peptidase IV (DPP-IV). It is a member of the peptidase and ectoenzyme family. CD26 is expressed on the membrane of mature thymocytes, T lymphocytes (upregulated upon activation), B cells, NK cells, and macrophages. CD26 cleaves off N-terminal X-Pro and X-Ala dipeptides from polypeptides. It plays an integral role as a costimulatory molecule in T cell activation. CD26 may interact with extracellular matrix proteins such as fibronectin or collagen, CD45 and ADA.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with Spark Red™ 718 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool).
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 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * Spark Red™ 718 has a maximum excitation of 697 nm and a maximum emission of 711 nm.
Excitation Laser	Red Laser (633 nm)
Application References	1. Kishimoto T, <i>et al.</i> Eds. 1997. Leucocyte Typing VI. Garland Press. London. 2. Schlossman S, <i>et al.</i> Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
(PubMed link indicates BioLegend citation)	

Antigen Details

Structure	Peptidases and ectoenzyme families, type II glycoprotein, 110 kD
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Distribution	Thymocyte subset, memory T cells, B cells, NK cells, epithelial cells, macrophages
Function	Dipeptidyl peptidase, T cell costimulation, HIV entry
Ligand/Receptor	Adenosine-deaminase, collagen
Cell Type	B cells, Epithelial cells, Macrophages, NK cells, T cells, Thymocytes
Biology Area	Costimulatory Molecules, Immunology
Molecular Family	CD Molecules
Antigen References	1. Kameoka J, <i>et al.</i> 1993. <i>Science</i> 261:466. 2. Dang N, <i>et al.</i> 1990. <i>J. Exp. Med.</i> 172:649.
Gene ID	1803

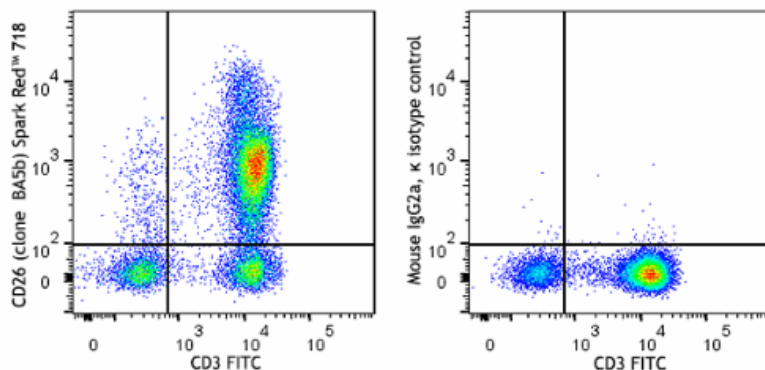
Related Protocols

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

Other Formats

TotalSeq™-D0396 anti-human CD26, FITC anti-human CD26, PE anti-human CD26, Spark Red™ 718 anti-human CD26 (Flexi-Fluor™), PerCP/Cyanine5.5 anti-human CD26, PE/Cyanine7 anti-human CD26, Biotin anti-human CD26, Purified anti-human CD26, PE/Cyanine5 anti-human CD26, Spark Red™ 718 anti-human CD26 Antibody, TotalSeq™-C0396 anti-human CD26, GMP PE anti-human CD26, KIRAVIA Blue 520™ anti-human CD26, TotalSeq™-B0396 anti-human CD26, APC anti-human CD26, GMP FITC anti-human CD26, TotalSeq™-A0396 anti-human CD26

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 (clone UCHT1) FITC and anti-human CD26 (clone BA5b) Spark Red™ 718 (left) or mouse IgG2a, κ Spark Red™ 718 isotype control (right).

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