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 (DPPIV). 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 **(PubMed link indicates BioLegend citation)**	1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Press. London. 2. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.

Antigen Details

Structure	Peptidases and ectoenzyme families, type II glycoprotein, 110 kD

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, *et al.* 1993. *Science* 261:466. 2. Dang N, *et al.* 1990. *J. Exp. Med.* 172:649.
Gene ID	1803

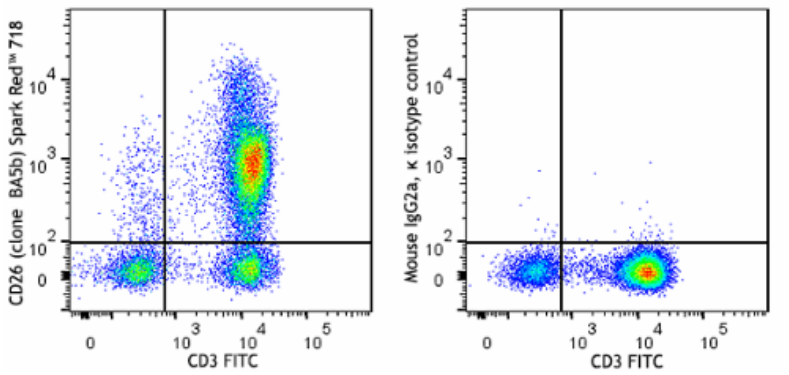
Related Protocols

- 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).

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587