SONY

Product Data Sheet

PE/Cyanine7 anti-mouse CD26 (DPP-4)

Catalog # / Size: 1289045 / 25 µg
1289050 / 100 µg

Clone: H194-112

Isotype: Rat IgG2a, κ

Immunogen: BALB/c thymocytes

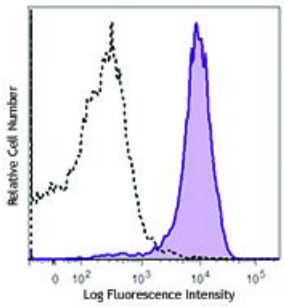
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: HCDM listed

Concentration: 0.2

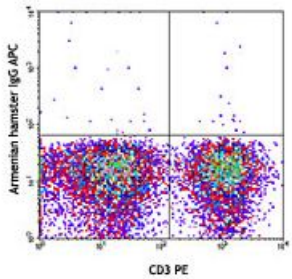


C57BL/6 splenocytes were stained with CD26 (clone H194-112) PE/Cy7 (filled histogram) or rat IgG2a, κPE/Cy7 (open histogram).

Applications:

Applications: Flow Cytometry

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.



Application Notes: Additional reported applications include: *in vitro* activation of thymocytes1, immunoprecipitation from cell lysates and cell-free supernatants[1,2] and immunohistochemical staining of frozen tissue sections1.

Application References:

1. Naquet P, *et al.* 1988. *J. Immunol.* 141:4101.
2. Vivier I, *et al.* 1991. *J. Immunol.* 147:447.
3. Sen A, *et al.* 2012. *PNAS* PubMed
4. Coleman CM, *et al.* 2014. *J Gen Virol.* 95:408. PubMed

Description: CD26, also known as DPP IV or THAM, is a 220 kD type II transmembrane homodimer. It consists of an α/β hydrolase domain and an eight-blade beta-propeller domain. After proteolysis of the membrane-bound CD26, a soluble form of DPP IV is released. CD26 is expressed on thymocytes (development dependent), T cells, B cells, NK cells, and macrophages. It is involved in T cell costimulation, endothelial cell migration and proteolysis processes.

Antigen References:

1. Cooper KG, *et al.* 2009. *Infect. Immun.* 77:2447.
2. Eltzschig HK, *et al.* 2006. *Blood* 108:1602.
3. Peranteau WH, *et al.* 2006. *Blood* 108:4268.

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