

Purified anti-mouse CD26 (DPP-4)

Catalog # / Size: 137801 / 50 µg
137802 / 500 µg

Clone: H194-112

Isotype: Rat IgG2a, κ

Immunogen: BALB/c thymocytes

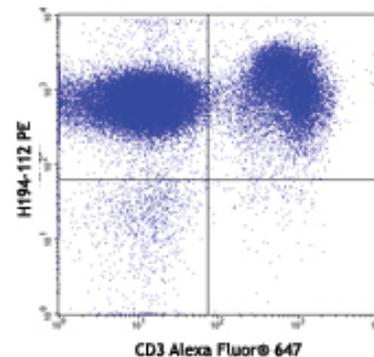
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



C57BL/6 splenocytes stained with purified H194-112 conjugated with PE and CD3 (17A2) Alexa Fluor® 647

Applications:

Applications: FC - Quality tested
IP, IHC - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent 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.

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.

Related Products:

Product
Purified Rat IgG2a, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
RTK2758

Application
FC, ICC, IF, IHC, IP, WB
FC, ICC, ICFC
FC, ICFC



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