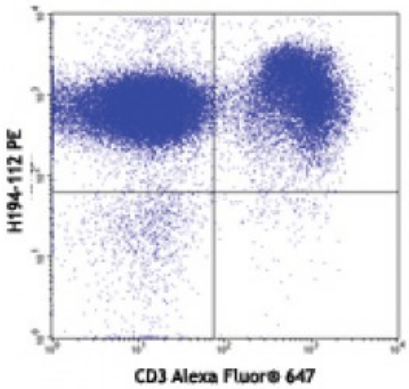
SONY

Product Data Sheet

PE anti-mouse CD26 (DPP-4)

Catalog # / Size:	1289015 / 25 µg 1289020 / 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 under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2



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

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 microg per million cells in 100 microL 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.
2. Sen A, *et al.* 2012. *PNAS.* 109:20667. 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 β-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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