

## PE anti-mouse CD26 (DPP-4)

**Catalog # / Size:** 137803 / 25 µg  
137804 / 100 µg

**Clone:** H194-112

**Isotype:** Rat IgG2a, κ

**Immunogen:** BALB/c thymocytes

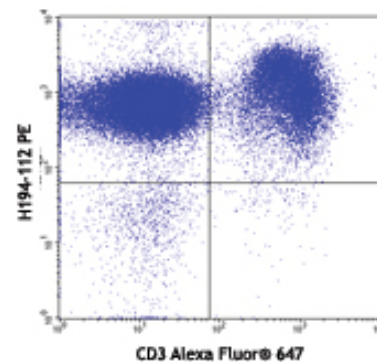
**Reactivity:** Mouse

**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 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



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

## Applications:

**Applications:** FC - Quality tested

**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 thymocytes<sup>1</sup>, immunoprecipitation from cell lysates and cell-free supernatants<sup>1,2</sup> and immunohistochemical staining of frozen tissue sections<sup>1</sup>.

**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* 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.

Related Products:	Product	Clone	Application
	PE Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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