

### 30-2612: Anti-Mouse CD26 PE (Clone : H194-112)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	H194-112
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	PE
<b>Gene :</b>	Dpp4
<b>Gene ID :</b>	13482
<b>Alternative Name :</b>	DPP4, TP103, ADCP-2, ADABP, dipeptidyl peptidase 4
<b>Isotype :</b>	Rat IgG2a kappa
<b>Immunogen Information :</b>	BALB/c thymocytes

#### Description

CD26, also known as dipeptidyl peptidase IV (DPP-IV), is a homodimeric cell surface serine peptidase that degrades IFN- $\gamma$ -induced cytokines, acts as a T cell costimulatory molecule, and participates in multiple immunopathological roles in leukocyte homing and inflammation. Alterations in its peptidase activity are characteristic of malignant transformation. The enzymatic activity increases dramatically with tumour grade and severity. CD26 is expressed in various blood cell types, but also e.g. in cells that are histogenetically related to activated fibroblasts. Alterations in CD26 density have been reported on circulating monocytes and CD4+ T cells during rheumatoid arthritis and systemic lupus erythematosus.

**Specificity :** The rat monoclonal antibody H194-112 recognizes an extracellular epitope of CD26, a 110 kDa type II membrane glycoprotein, which is a peptidase expressed on mature thymocytes, T cells (especially activated), B cells, NK cells and macrophages.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	0.5 mg/ml Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

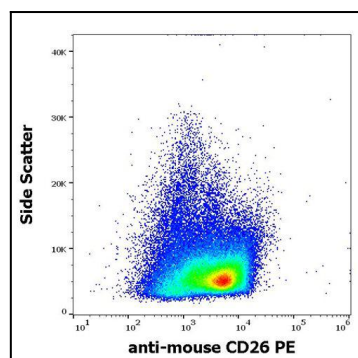


Figure 1 : Flow cytometry surface staining pattern of murine splenocyte suspension stained using anti-mouse CD26 (H194-112) PE antibody (concentration in sample 15  $\mu$ g/ml).

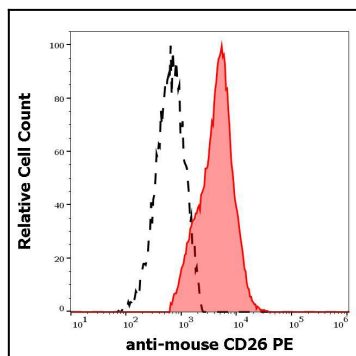


Figure 2 : Separation of murine CD26 positive cells (red-filled) from murine CD26 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine splenocyte suspension stained using anti-mouse CD26 (H194-112) PE antibody (concentration in sample 15 µg/ml).