

Datasheet for ABIN7013982
anti-DPP4 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	DPP4
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This DPP4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-Ms CD26 Purified
Immunogen:	BALB/c thymocytes
Clone:	H194-112
Isotype:	IgG2a kappa
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.
Purification:	Purified by protein-G affinity chromatography.

Target Details

Target:	DPP4
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Target Details

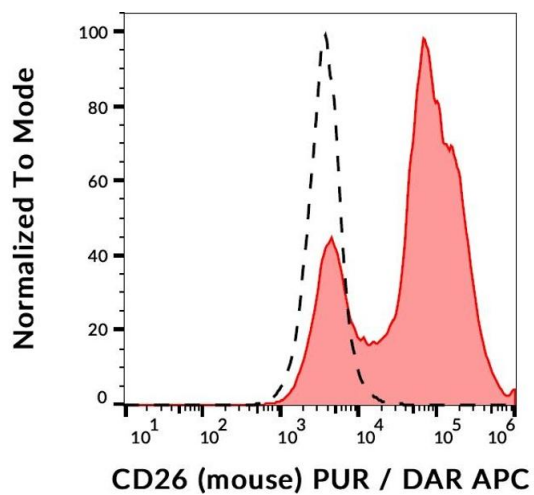
Alternative Name:	CD26 (DPP4 Products)
Background:	<p>Dipeptidyl peptidase 4,CD26, also known as dipeptidyl peptidase IV (DPP-IV), is a homodimeric cell surface serine peptidase that degrades IFN-gamma-induced cytokines, acts as a T cell costimulatory molecule, and participates in multiple immunopathological 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.,DPP4, TP103, ADCP-2, ADABP</p>
Gene ID:	13482
UniProt:	P28843
Pathways:	Peptide Hormone Metabolism , Regulation of Leukocyte Mediated Immunity

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Separation of murine splenocytes stained using anti-mouse CD26 (H194-112) purified antibody (concentration in sample 4 $\mu\text{g/mL}$, DAR APC, red-filled) from murine splenocytes unstained by primary antibody (DAR APC, black-dashed) in flow cytometry analysis (surface staining).