



## CD26

**Product:** Anti-human CD26 dipeptidyl peptidase (DPP) Monoclonal Antibody.

**Description:** The CD26 antigen recognizes the enzyme dipeptidyl peptidase (DPP), a serine protease. Its M.W. is 120 kD. The CD26 antigen is associated with the binding of the TAT transactivating protein of the human immunodeficiency virus (HIV).

**Isotype:** Mouse IgG2a kappa.

**Clone:** EUG-6

**Applications:** Monitoring of activated T cell subsets in peripheral blood; Study of T lymphocyte cytokine function; Study of phenotypic analysis of HIV cells; Study of leukemia cells; Study of systemic lupus; Study of recall antigens and CD4 +, T<sub>H</sub>1 response.

**Use:** PBMC: Add 10  $\mu$ l of MAB/10<sup>6</sup> PBMC in 100  $\mu$ l PBS. Mix gently and incubate for 15 minutes at 20<sup>o</sup> to 8<sup>o</sup>C. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. WHOLE BLOOD: Add 10  $\mu$ l of MAB/100  $\mu$ l of whole blood. Mix gently and incubate for 15 minutes at room temperature (20<sup>o</sup>C). Lyse the whole blood. Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.

**Storage:** Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8<sup>o</sup>C. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

Ordering Information:	Form	Vial Size	Catalog #
	FITC	100 Test	0262
	PE	100 Test	0264

### REFERENCES:

1. CD26 antigen is a surface dipeptidyl peptidase IV (DPPIV) as characterized by monoclonal antibodies clone TII-19-4-7 and 4EL1C7. Scand J Immunol 1990 Ap;31(4):429-35 Ulmer AJ; Mattern T; Feller AC; Heymann E; Flad HD
2. Comitogenic effect of solid-phase immobilized anti-1F7 on human CD4 T cell activation via CD3 and CD2 pathways. J Immunol 1990 Jun ;144(11):4092-100
3. Binding of the T cell activation monoclonal antibody Ta1 to dipeptidyl peptidase IV. J Leukoc Biol 1990 Oc;48(4):291-6 Barton RW; Prendergast J; Kennedy CA
4. Expression of CD26 (dipeptidyl peptidase IV) on resting and activated human T-lymphocytes. Scand J Immunol 1991 Ju;33(6):737-48 Mattern T; Scholz W; Feller AC; Flad HD; Ulmer AJ
5. Induction of interleukin 2 (IL 2) and interferon-gamma and enhancement of IL 2 receptor expression by a CD26 monoclonal antibody. Eur J Immunol 1991 Ap;21(4):1085-8 Plana M; Vinas O; De la Calle-Martin O; Lozano F; Ingles-Esteve J; Romero M; Alberola-Illa J; Yague J; Vilella R; Vives J
6. Lymphocyte immunophenotypes among anti-HTLV-I/II-positive blood donors and recipients. The Transfusion Safety Study Group. J Acquir Immune Defic Syndr 1991;4(6):628-32 Fletcher MA; Gjerset GF; Hassett J; Donegan E; Parker JW; Mosley JW

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