

ABflo® 700 Rabbit anti-Human CD26/DPP4 mAb

Catalog NO.: A26909

1 Publications

Basic Information

Observed MW

Refer to figures

Calculated MW

88kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human

Conjugation

ABflo® 700. Ex:690nm. Em:713nm.

Clone number

ARC59223

Background

The DPP4 gene encodes dipeptidyl peptidase 4, which is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic type II transmembrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. Dipeptidyl peptidase 4 is highly involved in glucose and insulin metabolism, as well as in immune regulation. This protein was shown to be a functional receptor for Middle East respiratory syndrome coronavirus (MERS-CoV), and protein modeling suggests that it may play a similar role with SARS-CoV-2, the virus responsible for COVID-19.

Recommended Dilutions

FC 5 µl per 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID

1803

Swiss Prot

P27487

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

CD26; ADABP; ADCP2; DPPIV; TP103

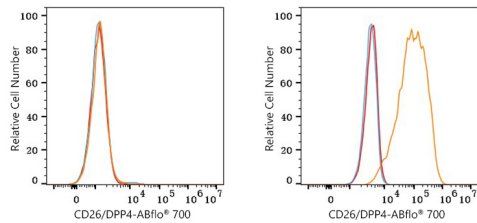
Contact

Product Information

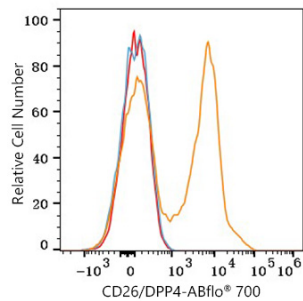
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

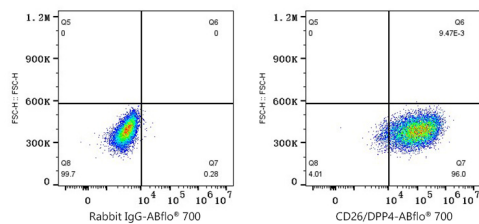
Validation Data



Flow cytometry: 1X10⁶ K-562 cells (negative control,left) and NCI-H2452 [H2452] cells (right) were surface-stained with ABflo® 700 Rabbit anti-Human CD26/DPP4 mAb (A26909,5 µl/Test,orange line) or ABflo® 700 Rabbit IgG isotype control (A25976,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

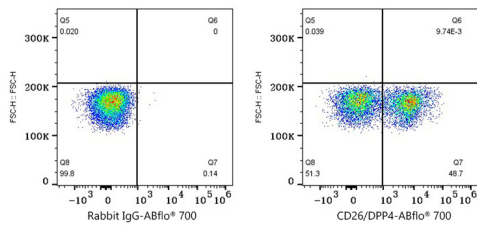


Flow cytometry: 1X10⁶ Human PBMC cells were surface-stained with ABflo® 700 Rabbit anti-Human CD26/DPP4 mAb (A26909,5 µl/Test,orange line) or ABflo® 700 Rabbit IgG isotype control (A25976,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the Lymphocytes gate were used for analysis.



Flow cytometry: 1×10^6 NCI-H2452 [H2452] cells were surface-stained with ABflo® 700 Rabbit IgG isotype control (A25976, 5 μ l/Test, left) or ABflo® 700 Rabbit anti-Human CD26/DPP4 mAb (A26909, 5 μ l/Test, right).

Validation Data



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with (,5 µl/Test,left) or ABflo® 700 Rabbit anti-Human CD26/DPP4 mAb (A26909,5 µl/Test,right). Cells in the Lymphocytes gate were used for analysis.

