# CD26 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | CD26, Monoclonal Antibody |
| **Full Product Name** | CD26 (ADABP, ADCP2, Adenosine Deaminase Complexing Protein 2, Dipeptidyl Peptidase IV, Dipeptidylpeptidase 4, DPP4, DPPIV, Intestinal Dipeptidyl Peptidase, T cell Activation Antigen CD26, TP103) (MaxLight 750) |
| **Product Gene Name** | anti-CD26 antibody |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1,k |
| **Clone Number** | 1C5 |
| **Host** | Mouse |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human DPP4. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Immunogen** | Partial recombinant corresponding to aa352-451 from human DPP4 (AAH65265) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | GWVGRFRPSEPHFTLDGNSFYKIISNEEGYRHICYFQIDKKDCTFITKGTWEVIGIEALTSDYLYYISNEYKGMPGGRNLYKIQLSDYTKVTCLSRELNP |
| **Conjugate** | MaxLight750 |
| **Product Categories/Family for anti-CD26 antibody** | Antibodies; CD Markers |
| **Applications Tested/Suitable for anti-CD26 antibody** | FLISA |
| **Application Notes for anti-CD26 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-CD26 antibody** | CD26 is a multifunctional protein that exists as a membrane bound form and a soluble form. CD26 has three major functions including adenosine deaminase (ADA) binding, peptidase activity and extracellular matrix binding, all of which can influence T-cell proliferation and chemotaxis. It has also been shown to be involved in apoptosis. |
| **Other Notes** | Small volumes of anti-CD26 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for CD26 purchase** | MBS6232004 is an antibody targeting CD26. Also known as CD26 (ADABP, ADCP2, Adenosine Deaminase Complexing Protein 2, Dipeptidyl Peptidase IV, Dipeptidylpeptidase 4, DPP4, DPPIV, Intestinal Dipeptidyl Peptidase, T cell Activation Antigen CD26, TP103) (MaxLight 750). Reactive in Human. Host: Mouse. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD26. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 40850968 |
| **NCBI GeneID** | 1803 |
| **NCBI Accession #** | BC065265 |
| **NCBI Related Accession #** | AAH65265 |
| **UniProt Related Accession #** | P27487 |
| **NCBI Official Full Name** | Homo sapiens dipeptidyl-peptidase 4, mRNA |
| **NCBI Official Synonym Full Names** | dipeptidyl peptidase 4 |
| **NCBI Official Symbol** | DPP4 |
| **NCBI Official Synonym Symbols** | CD26; ADABP; ADCP2; DPPIV; TP103 |
| **Protein Family** | Dipeptidyl peptidase |
| **NCBI Protein Information** | dipeptidyl peptidase 4 |
| **NCBI Summary for CD26** | 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. [provided by RefSeq, Apr 2020] |
| **Research Articles on CD26** | **1.** The level of serum CD26 was associated with TGAb in HT patients with normal thyroid function. |
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