



Human Anti-Human Integrin a4b7 (Vedolizumab) Monoclonal Antibody, clone Vedolizumab [Biosimilar] (CABT-Z692H)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Specificity | Detects human Integrin $\alpha 4\beta 7$. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Vedolizumab. |
| Immunogen | Human integrin $\alpha 4\beta 7$. |
| Isotype | IgG1 |
| Source/Host | Human |
| Species Reactivity | Human |
| Clone | Vedolizumab |
| Purification | Protein A or G purified |
| Conjugate | Functional Grade |
| Applications | FA |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 5 mg |
| Buffer | 0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free. Endotoxin Level ≤ 0.75 EU/mg as determined by the LAL method |

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| Preservative | None |
| Storage | Store at 2-8°C for short term; -80°C for long term. Avoid freeze / thaw cycle. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | Integrin alpha 4 beta 7, also known as, the lymphocyte Peyer's patch adhesion molecule (LPAM1) is a member of the integrin family of cell surface receptors. It is expressed primarily on mucosal lymphocytes, but is also present on NK cells and eosinophils. The alpha 4 beta 7 heterodimer mediates the binding of lymphocytes to its ligand, mucosal vascular addressin (MAdCAM1) on the high endothelial venules, thereby directing the homing of lymphocytes into Peyer's patches and intestinal lamina propria. |
| Keywords | Antigen CD49D;CD49d;IA4;Integrin alpha 4 subunit;Integrin alpha IV;Integrin beta 7;Integrin beta 7 subunit;ITGA4;ITGB7;LPAM1;VLA4;integrin beta 7;integrin alpha 4;Integrin alpha 4+beta 7 |