



Human Anti-Human Integrin $\alpha 4 \beta 7$ (Vedolizumab) Monoclonal Antibody, clone Vedolizumab [Biosimilar] (CABT-Z692H)

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

PRODUCT INFORMATION

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

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

BACKGROUND

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