



# Human Anti-Human ITGA5 (Volociximab) Monoclonal Antibody, clone M200 [Biosimilar] (CABT-Z685H)

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

## PRODUCT INFORMATION

**Product Overview** This is a reformatted human IgG4 antibody based on the therapeutic Fab fragment.

**Immunogen** Heterodimeric  $\alpha 5\beta 1$  Fc fusion protein

**Isotype** IgG4,  $\kappa$

**Source/Host** Human

**Species Reactivity** Human

**Clone** M200

**Purification** Protein A purified

**Conjugate** Unconjugated

**Applications** FC, BL, IF, ELISA, IHC

**Format** Liquid

**Concentration** Lot specific

**Size** 200  $\mu$ g

**Buffer** PBS with 0.02% Proclin 300.

**Preservative** None

**Storage** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

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Ship

Wet ice

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## BACKGROUND

**Introduction**

Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence LD-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.

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**Keywords**

ITGA5;integrin, alpha 5 (fibronectin receptor, alpha polypeptide);FNRA;integrin alpha-5;CD49e;VLA-5

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## GENE INFORMATION

Gene Name [ITGA5](#)

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Entrez Gene ID [3678](#)

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UniProt ID [P08648](#)

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