

Anti-Integrin alpha 4 [Natalizumab] Standard Size Ab00716-23.0

NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar. This chimeric rabbit antibody was made using the variable domain sequences of the original human IgG4 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: Natalizumab

Alternative Name(s) of Target: CD49D; alpha 4 subunit of VLA-4 receptor; ITGA4; Integrin alpha-IV

UniProt Accession Number of Target Protein: P13612

Published Application(s): Block, FC

Published Species Reactivity: Human

Immunogen: The RAMOS cell line, a non-EBV releasing cell line, injected into mice.

Specificity: This antibody binds to the alpha 4 binds subunit of $\alpha 4 \beta 1$ (also known as very late antigen 4 [VLA-4] or CD49d-CD29) and $\alpha 4 \beta 7$ integrin

Application Notes: This antibody binds to human integrin alpha 4 and has been used to treat Multiple Sclerosis and Crohn's Disease.

Antibody First Published in: Sheremata et al. A safety and pharmacokinetic study of intravenous natalizumab in patients with MS Neurology. 1999 Mar 23;52(5):1072-4. [PMID:10102433](#)

Note on publication: Describes the safety and pharmacokinetic characterization of this antibody in a clinical setting.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

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

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.