

Catalog# BP-50544

## **Natalizumab Biosimilar, Integrin alpha 4 Monoclonal Antibody**

Natalizumab Biosimilar uses the same protein sequences as the therapeutic antibody natalizumab.

Natalizumab is a monoclonal anti-integrin antibody which binds to the alpha 4 subunit of integrins to prevent migration of immune cells, and is used to treat Crohn's disease or multiple sclerosis.

Humanized IgG4k monoclonal antibody produced in murine myeloma cells. Natalizumab contains human framework regions and the complementarity-determining regions of a murine antibody that binds to  $\alpha 4$ -integrin.

Binds to the  $\alpha 4$ -subunit of  $\alpha 4\beta 1$  and  $\alpha 4\beta 7$  integrins expressed on the surface of all leukocytes except neutrophils, and inhibits the  $\alpha 4$ -mediated adhesion of leukocytes to their counter-receptor(s).

Product Details	
CAS No.	189261-10-7
Species Reactivity	Human
Source	Natalizumab biosimilar CHO stable cell line
Isotype	Human IgG4 kappa
Class	Monoclonal
Type	Antibody
Clone	Natalizumab Biosimilar
Conjugate	Unconjugated
Immunogen	Human Integrin $\alpha 4$
Purity	>95%
Molecular Weight	146.19 kDa
Protein Concentration	1 mg/ml
Formulation	0.2 $\mu$ M filtered PBS solution, pH 6.0
Storage conditions	4°C for short time, -20°C or -80°C for long time.