

VivoGenie Anti-Human CD4 (Ibalizumab) Biosimilar

IVMB0499

Description

This VivoGenie Anti-Human CD4 (Ibalizumab) Biosimilar is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: IVMB0499

Contents: 1mg, 5mg, 25mg
Bradford Reagent: 1 vial (2ml)

Synonyms: CD4, CD4mut, CD4 molecule, OKT4D, IMD79

Category: Biosimilar Recombinant Human Monoclonal Antibody

Target: CD4

Clone: TNX-355

Isotype: Human IgG4κ

Applications: [ELISA](#) [FA](#) [FC](#) [IHC](#) [N](#) [WB](#)

Specificity: This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Ibalizumab. This product is for research use only. Ibalizumab binds to domain 2 of CD4 T cell receptors, on the protein surface opposite where the major histocompatibility complex-class II and HIV-1 gp120 binding sites are located. Ibalizumab binds to both human and monkey CD4.

Antibody Data

Reactivity: Human

Host species: Human

Manufacturers Statement

This final kit system is assembled and quality-released by Assay Genie Limited.

Expression Host:	HEK-293 Cells
Immunogen:	Recombinant Human CD4
Product concentration:	≥ 5.0 mg/ml
Endotoxin Level:	< 1.0 EU/mg as determined by the LAL method
Purity:	≥95% by SDS Page, ≥95% Monomer by analytical SEC
Formulation:	This biosimilar antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Preparation & Storage

Storage:	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C. Avoid Repeated Freeze Thaw Cycles. Store Bradford Reagent at Room Temperature for 1 Year.
Shipping:	2-8°C Wet Ice
Preparation:	Recombinant biosimilar antibodies are manufactured in an animal free facility using only in vitro protein free cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.
Recommended Dilution Buffer:	-
Recommended Usage:	-
Protein Quantification (Optional):	To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol