

# VivoGenie Anti-Human CD3 (Teplizumab) Biosimilar

IVMB0474

## Description

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This VivoGenie Anti-Human CD3 (Teplizumab) 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

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<b>SKU:</b>	IVMB0474
<b>Contents:</b>	1mg, 5mg, 25mg, 50mg, 100mg Bradford Reagent: 1 vial (2ml)
<b>Synonyms:</b>	Teplizumab, CD3ε, 876387-05-2
<b>Category:</b>	Biosimilar Recombinant Human Monoclonal Antibody
<b>Target:</b>	CD3
<b>Clone:</b>	PRV-031
<b>Isotype:</b>	Human IgG1κ
<b>Applications:</b>	<b>ELISA</b> <b>FA</b> <b>FC</b> <b>IP</b> <b>WB</b>
<b>Specificity:</b>	This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Teplizumab. This product is for research use only. Teplizumab activity is directed against CD3 expressed on mature T cells.

## Antibody Data

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<b>Reactivity:</b>	Human
<b>Host species:</b>	Human
<b>Expression Host:</b>	HEK-293 Cells

### Manufacturers Statement

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

<b>Immunogen:</b>	Human CD3
<b>Product concentration:</b>	≥ 5.0 mg/ml
<b>Endotoxin Level:</b>	< 1.0 EU/mg as determined by the LAL method
<b>Purity:</b>	≥95% by SDS Page, ≥95% Monomer by analytical SEC
<b>Formulation:</b>	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

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<b>Storage:</b>	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.
<b>Shipping:</b>	2 -8°C Wet Ice
<b>Preparation:</b>	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.
<b>Recommended Dilution Buffer:</b>	-
<b>Recommended Usage:</b>	-
<b>Protein Quantification (Optional):</b>	To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <a href="https://www.assaygenie.com/bradford-protein-assay-protocol/">https://www.assaygenie.com/bradford-protein-assay-protocol/</a> to view the full protocol