C056P: Teplizumab Biosimilar, Human CD3e Monoclonal Antibody

Catalog No.: C056P | **Product Name:** Teplizumab Biosimilar, Human CD3e Monoclonal Antibody

The research grade Teplizumab biosimilar protein is for research use only (RUO). Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

PRODUCT SPECIFICATIONS

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Product Name	Teplizumab Biosimilar, Human CD3e Monoclonal Antibody
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	cluster of differentiation 3, CD3D, CD3E, CD3G
Summary	Recombinant human IgG1 Monoclonal Antibody. Muromonab is the parental mouse anti-CD3 mAb (OKT3 or OKT-3); teplizumab is the humanized version with the human IgG1 kappa constant regions and the Fc region having Fc receptor non-binding (FNB) properties.
Clone	OKT3 or OKT-3.
Isotype	Human IgG1 kappa.
Source/Host	The anti-human CD3 monoclonal antibody teplizumab biosimilar was produced in mammalian cells.
Specificity/Sensitivity	The in vivo grade teplizumab biosimilar specifically binds to the human T cell receptor CD3.
Applications	ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by teplizumab.
Form Of Antibody	0.2 μM filtered solution, pH 7.4, no stabilizers or preservatives.
Endotoxin	< 1 EU/mg of the protein by the LAL method.
Purity	>95% by SDS-PAGE under reducing conditions and HPLC.
Shipping	The monoclonal antibody ibalizumab is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.
Note	The research grade Teplizumab biosimilar protein is for research use only (RUO). Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

REFERENCES & BACKGROUND

What is Teplizumab biosimilar research grade? The anti-human CD3 monoclonal antibody teplizumab biosimilar was produced in mammalian cells. Teplizumab biosimilar uses the same protein sequences as the therapeutic antibody teplizumab (humanized OKT3).

A fully human monoclonal antibody that binds to CD3 epsilon of the T cell receptor-CD3 complex, teplizumab (humanized OKT-3) is used to delay the onset of stage 3 type 1 diabetes (T1D) in people with stage 2 T1D.