C036P: Foralumab Biosimilar, Human CD3e Monoclonal Antibody

Catalog No.: C036P | **Product Name:** Foralumab Biosimilar, Human CD3e Monoclonal Antibody

The research grade Foralumab 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	Foralumab Biosimilar, Human CD3e Monoclonal Antibody
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	OKT3 or OKT-3
Source/Host	The anti-human CD3 monoclonal antibody foralumab biosimilar was produced in mammalian cells.
Specificity/Sensitivity	The in vivo grade foralumab 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 foralumab.
Form Of Antibody	0.2 μM filtered solution, pH 7.4, no stabilizers or preservatives.
Endotoxin	< 1 EU per 1 mg of the protein by the LAL method.
Purity	>95% by SDS-PAGE under reducing conditions and HPLC.
Shipping	The research grade foralumab biosimilar 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.
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REFERENCES & BACKGROUND

Recombinant human IgG1 Monoclonal Antibody. Muromonab is the parental mouse anti-CD3 mAb (OKT3 or OKT-3); foralumab is the humanized version with the human IgG1 kappa constant regions with the Fc portion mutated such that the mAb is non FcR binding in vitro which exhibits only minor cytokine release in vivo while maintaining modulation of the CD3/TCR and T cell depletion when given I.V.

Foralumab Biosimilar uses the same protein sequences as the therapeutic antibody foralumab (humanized OKT3).

A fully human monoclonal antibody that binds to CD3 epsilon of the T cell receptor-CD3 complex, Foralumab (humanized OKT-3) is used as immunosuppressive therapy in kidney, heart, and liver transplant patients.