



Human CD3 Monoclonal Antibody (Research Grade Teplizumab Biosimilar)

Recombinant Monoclonal Human IgG1 Clone #FB015

Catalog Number: BIO-008

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD3 in direct ELISA. This non-therapeutic antibody uses the same variable region sequences (VH, VL) as the therapeutic antibody Teplizumab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG1 Clone #FB015
Purification	Protein A/G purified from CHO cell culture supernatant
Immunogen	Human CD3
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method
Formulation	0.2 µm filtered solution in PBS

APPLICATION

	Recommended Concentration
Flow Cytometry	0.25 µg/10 ⁶ cells

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/ml in sterile 1xPBS
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 to -70°C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from the date or receipt, -20 to -70°C as supplied.• 1 month, 2 to 8°C under sterile conditions

BACKGROUND

Teplizumab is a humanized IgG1 kappa CD3-directed monoclonal antibody used to delay the onset of Stage 3 type 1 diabetes (T1D) in adults and pediatric patients aged 8 years and older with Stage 2 T1D.