



Human CD25/IL-2RA Monoclonal Antibody (Research Grade Basiliximab Biosimilar)

Recombinant Monoclonal Human IgG1 Clone #FB011

Catalog Number: BIO-006

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD25/IL-2RA in direct ELISA. This non-therapeutic antibody uses the same variable region sequences (VH, VL) as the therapeutic antibody Basiliximab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG1 Clone #FB011
Purification	Protein A/G purified from CHO cell culture supernatant
Immunogen	Human CD25/IL-2RA
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

Basiliximab is a recombinant chimeric (murine/human) monoclonal antibody (IgG1k) that functions as an immunosuppressive agent, specifically binding to and blocking the interleukin-2 receptor α -chain (IL-2R α , also known as CD25 antigen) on the surface of activated T-lymphocytes. Basiliximab is used as immunosuppressive therapy in kidney transplant patients.