

DESCRIPTION

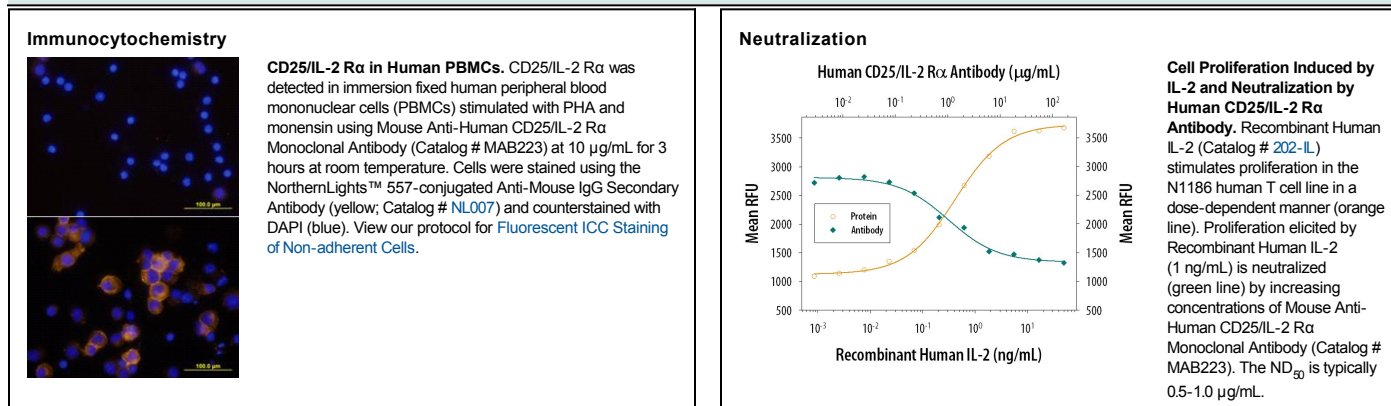
Species Reactivity	Human
Specificity	Detects human CD25/IL-2 R α in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 4% cross-reactivity with recombinant human (rh) IL-2 R β is observed and no cross-reactivity with rhIL-2 R γ , rhIL-1 RI, rhIL-1 RII, rhIL-4 R, rhIL-5 R α , rhIL-6 R, rhIL-7 R, rhIL-9 R, and rhIL-10 R is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 22722
Purification	Protein A or G purified from ascites
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human CD25/IL-2 R α Glu22-Cys213 Accession # P01589
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 μ g/mL	Recombinant Human CD25/IL-2 R α (Catalog # 223-2A) under non-reducing conditions only
Immunocytochemistry	8-25 μ g/mL	See Below
Immunohistochemistry	8-25 μ g/mL	Immersion fixed frozen sections of human lymph node
Neutralization	Measured by its ability to neutralize IL-2-induced proliferation in the N1186 human T cell line. The Neutralization Dose (ND ₅₀) is typically 0.5-1.0 μ g/mL in the presence of 1 ng/mL Recombinant Human IL-2.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) 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 date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

IL-2 R α is a type I transmembrane protein that associates with IL-2 R β and the common γ chain to form a high affinity heterotrimeric receptor complex for IL-2. A soluble form of IL-2 R α has been detected in serum.