



Mouse Anti-Human CD25 (IL-2R α) Monoclonal antibody, clone 7G7B6 (CABT-L4335)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The 7G7B6 monoclonal antibody reacts with human IL-2R α also known as CD25, Ly-43, p55, or Tac. IL-2R α is the 55 kDa ligand-binding subunit of the interleukin 2 receptor alpha chain.
Target	Human CD25 (IL-2R α)
Immunogen	Human PBMCs
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	7G7B6
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	IP, IF
Molecular Weight	150 kDa
Format	0.2 μ M filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]

Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay
Related dilution buffer: CABT-LB04

Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction The 7G7B6 monoclonal antibody reacts with human IL-2Rα also known as CD25, Ly-43, p55, or Tac. IL-2Rα is the 55 kDa ligand-binding subunit of the interleukin 2 receptor alpha chain. IL-2Rα is expressed on activated mature T and B lymphocytes, thymocyte subsets, pre-B cells, and T regulatory cells. IL-2Rα has been shown to play roles in lymphocyte differentiation, activation, and proliferation. Alone, the IL-2Rα binds IL-2 with relatively low affinity however, when IL-2Rα associates with IL-2Rβ (CD122) and the common gamma chain (CD132) the complex binds IL-2 with high affinity.

Keywords IL2RA;CD25;interleukin-2 receptor subunit alpha;p55;IL2-RA;IL-2-RA;IL-2R alpha;TAC antigen;cytokine receptor;IL-2R subunit alpha;IL-2 receptor alpha subunit;IL-2 receptor subunit alpha;interleukin-2 receptor alpha chain;

GENE INFORMATION

Official Symbol	interleukin 2 receptor, alpha
Synonyms	IL2RA; CD25; interleukin-2 receptor subunit alpha; p55; IL2-RA; IL-2-RA; IL-2R alpha; TAC antigen; cytokine receptor; IL-2R subunit alpha; IL-2 receptor alpha subunit; IL-2 receptor subunit alpha; interleukin-2 receptor alpha chain;