



Mouse Anti-Human IL-7 Monoclonal antibody, clone M25 (CABT-L4336)

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

PRODUCT INFORMATION

Product Overview	The M25 monoclonal antibody reacts with mouse and human IL-7, a 20-28 kDa hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus.
Target	Mouse/Human IL-7
Immunogen	Recombinant human IL-7
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human, Mouse
Clone	M25
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo IL-7 neutralization, in vivo IL-7 receptor stimulation (as a complex with IL-7)
Molecular Weight	150 kDa
Format	0.2 µM 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 M25 monoclonal antibody reacts with mouse and human IL-7, a 20-28 kDa hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus. IL-7 is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells. IL-7 binds to the IL-7 receptor, a heterodimer consisting of IL-7 receptor alpha and the common gamma chain receptor. Binding results in stimulation of differentiation of pluripotent hematopoietic stem cells into lymphoid progenitor cells and proliferation of all lymphoid cells. IL-7 is also important for proliferation of pre-B cells as well as T and NK cell survival, development and homeostasis. The M25 antibody is useful for neutralizing the bioactivity of IL-7 as well as administration of IL-7 cytokine. IL-7 administration as a complex with M25 prolongs IL-7 availability in vivo by decreasing specific and nonspecific consumption.
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Keywords	IL7;interleukin 7;IL-7;interleukin-7;
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GENE INFORMATION

Official Symbol	interleukin 7
Synonyms	IL7; interleukin 7; IL-7; interleukin-7;