



Rat Anti-Mouse MHC Class II (I-A/I-E) Monoclonal antibody, clone M5/114 (CABT-L4286)

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

PRODUCT INFORMATION

Product Overview	The M5/114 monoclonal antibody reacts with mouse MHC Class II haplotypes I-Ab, I-Ad, I-Aq, I-Ed, and I-Ek. The antibody does not react with I-Af, I-Ak, or I-As haplotypes. The M5/114 antibody is reported to inhibit I-A-restricted T cell responses.
Target	Mouse MHC Class II (I-A/I-E)
Immunogen	Activated C57BL/6 mouse spleen cells
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	M5/114
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo MHC II blockade, FuncS, IF, WB, IP, FC
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	MHC (major histocompatibility complex) class II molecules are a family of molecules normally found only on antigen-presenting cells such as dendritic cells, mononuclear phagocytes, some endothelial cells, thymic epithelial cells, and B cells.
Keywords	DPB1;HLA DP1B;HLA-DPB1;Major histocompatibility complex class II DP beta 1;MHC class II antigen;MHC DPB1;MHC class II;I-Ek

GENE INFORMATION

Official Symbol	MHC class II
Synonyms	DPB1; HLA DP1B; HLA-DPB1; Major histocompatibility complex class II DP beta 1; MHC class II antigen; MHC DPB1; MHC class II; I-Ek
References	Kolodin, D., et al. (2015). "Antigen- and cytokine-driven accumulation of regulatory T cells in visceral adipose tissue of lean mice." Cell Metab 21(4): 543-557. PubMed;