



Mouse Anti-Mouse MHC class II (I-A) Monoclonal antibody, clone Y-3P (CABT-L4454)

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

PRODUCT INFORMATION

Product Overview	The Y-3P monoclonal antibody reacts with mouse MHC Class II haplotypes I-Ab, I-Af, I-Ap, I-Aq, I-Ar, I-As, I-Au, I-Av, and weakly with I-Ak. The Y-3P antibody is reported to inhibit I-A-restricted T cell responses.
Target	Mouse MHC class II (I-A)
Immunogen	BALB/c x C57BL/6 F1 mouse spleen cells
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Mouse
Clone	Y-3P
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo blockade of TCR stimulation, 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