



Hamster Anti-Mouse MHC Class II (βchain) Monoclonal antibody, clone KL277 (CABT- L4429)

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

PRODUCT INFORMATION

Product Overview	The KL277 monoclonal antibody reacts with mouse MHC Class II haplotypes I-Ab, I-Ad, I-Ap, I-Aq, I-Abu, and I-Abw. The antibody does not react with I-Aa, I-Ak, I-Af, I-Aj, I-As, or I-Atl haplotypes.
Target	Mouse MHC Class II (βchain)
Immunogen	Synthetic peptide corresponding to residues 146-177 of the mouse Ab/beta protein
Isotype	IgG
Source/Host	Hamster
Species Reactivity	Mouse
Clone	KL277
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	WB
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	Sofron, A., et al. (2015). "High-resolution analysis of the murine MHC class II immunopeptidome." Eur J Immunol. doi: 10.1002/eji.201545930. PubMed;