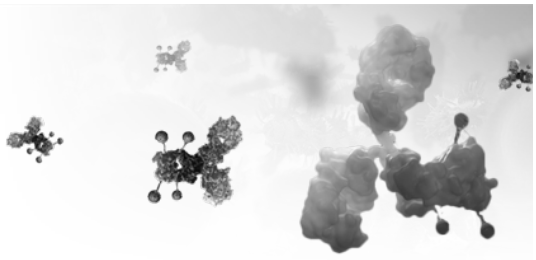

Mouse Anti-Mouse MHC Class II (I-Ek/RT1-D) Monoclonal antibody, clone 14-4-4S (HB32) (CABT-L4445)

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

PRODUCT INFORMATION

Product Overview	The 14-4-4S monoclonal antibody reacts with mouse MHC Class II alloantigen I-Ek and the rat MHC class II alloantigen RT1D.
Target	Mouse/Rat MHC Class II (I-Ek/RT1-D)
Immunogen	C3H mouse skin graft and spleen cells
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Rat, Mouse
Clone	14-4-4S (HB32)
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo blocking of antigen presentation, 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

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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 14-4-4S monoclonal antibody reacts with mouse MHC Class II alloantigen I-Ek and the rat MHC class II alloantigen RT1D. These MHC class II molecules are expressed primarily on the surface of B lymphocytes, macrophages, dendritic cells and other antigen presenting cells as well as a subset of T cells from H-2k bearing mice. These MHC molecules play a role in antigen presentation to T cells. The 14-4-4S antibody has been reported to block antigen presentation and induce differentiation of mouse cells expressing I-Ek.
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	Haag, S., et al. (2015). "Positional identification of RT1-B (HLA-DQ) as susceptibility locus for autoimmune arthritis." J Immunol 194(6): 2539-2550. PubMed;

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