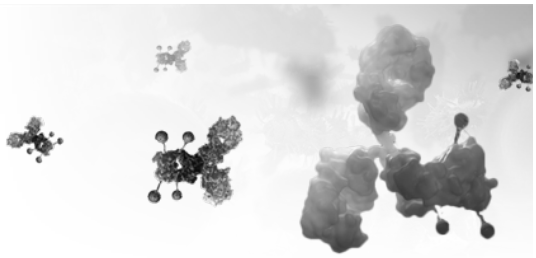

Mouse Anti-Human MHC class II (HLA-DR) Monoclonal antibody, clone L243 (CABT-L4327)

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

PRODUCT INFORMATION

Product Overview	The L243 monoclonal antibody reacts with the human and monkey MHC class II, HLA-DR. HLA-DR is a transmembrane glycoprotein composed of an α chain (36 kDa) and a β chain (27 kDa). HLA-DR is expressed primarily on antigen presenting cells such as B cells, monocytes, macrophages, thymic epithelial cells and activated T cells. HLA-DR is critical for the presentation of peptides to CD4+ T cells.
Target	Human/monkey MHC class II (HLA-DR)
Immunogen	Human lymphoblastoid B cell line RPMI 8866.9
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Human, Monkey
Clone	L243
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vitro blocking of MHC class II HLA-DR, HLA class II binding assay, in vitro MHC class II HLA-DR expressing cell negative selection, WB, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific

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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	Brentville, V. A., et al. (2016). "Citrullinated Vimentin Presented on MHC-II in Tumor Cells Is a Target for CD4+ T-Cell-Mediated Antitumor Immunity." Cancer Res 76(3): 548-560. PubMed;

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