

Datasheet for ABIN2689553
anti-HLA-DM antibody

6 Publications



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Overview

Quantity:	0.1 mg
Target:	HLA-DM
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Intracellular Staining (ICS)

Product Details

Brand:	BD Pharmingen™
Clone:	MaP-DM1
Isotype:	IgG1 kappa
Characteristics:	<p>Reacts with human leukocyte antigen-DM (HLA-DM), a non-classical MHC class II molecule expressed in the cytoplasm of antigen presenting cells (APC). HLA-DM is composed of alpha and beta subunits which form a similar structure as the classical class II molecules. HLA-DM catalyzes the dissociation of CLIP from MHC class II-CLIP complexes in vitro and facilitates the binding of antigenic peptides. It also prevents self-antigens from becoming stably complexed with class II molecules and being presented to T cells. Profile of intracellular staining of peripheral blood lymphocytes analyzed on a FACScan . Profile of intracellular staining of peripheral blood monocytes analyzed on a FACScan .</p> <p>BD Pharmingen™ Purified Mouse Anti-Human HLA-DM - Purified - Clone MaP.DM1 - Isotype Mouse IgG1, κ - Reactivity Hu - 0.1 mg</p>

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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Target Details

Target:	HLA-DM
Alternative Name:	HLA-DM

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤ 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:	<p>Denzin, Hammond, Cresswell: "HLA-DM interactions with intermediates in HLA-DR maturation and a role for HLA-DM in stabilizing empty HLA-DR molecules." in: The Journal of experimental medicine, Vol. 184, Issue 6, pp. 2153-65, (1997) (PubMed).</p> <p>Kropshofer, Hämmerling, Vogt: "How HLA-DM edits the MHC class II peptide repertoire: survival of the fittest?" in: Immunology today, Vol. 18, Issue 2, pp. 77-82, (1997) (PubMed).</p> <p>Denzin, Cresswell: "HLA-DM induces CLIP dissociation from MHC class II alpha beta dimers and facilitates peptide loading." in: Cell, Vol. 82, Issue 1, pp. 155-65, (1995) (PubMed).</p> <p>Denzin, Robbins, Carboy-Newcomb, Cresswell: "Assembly and intracellular transport of HLA-DM</p>
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and correction of the class II antigen-processing defect in T2 cells." in: **Immunity**, Vol. 1, Issue 7, pp. 595-606, (1995) ([PubMed](#)).

Riberdy, Avva, Geuze, Cresswell: "Transport and intracellular distribution of MHC class II molecules and associated invariant chain in normal and antigen-processing mutant cell lines." in: **The Journal of cell biology**, Vol. 125, Issue 6, pp. 1225-37, (1994) ([PubMed](#)).

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