

Product datasheet

FITC Anti-HLA DR + HLA DP antibody [MEM-136] ab77237

1 References

Overview

Product name	FITC Anti-HLA DR + HLA DP antibody [MEM-136]
Description	FITC Mouse monoclonal [MEM-136] to HLA DR + HLA DP
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	ab77237 recognizes common epitope on beta-chain of human HLA-DR and HLA-DP. It reacts with alpha/beta dimer as well as with dissociated beta-subunit.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human HLA DR + HLA DP. PHA-activated peripheral blood lymphocytes
Positive control	Human blood cells.
General notes	<p>The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: 0.2% BSA</p>

	0.2% (w/v) high-grade protease free BSA
Purity	Size exclusion
Clonality	Monoclonal
Clone number	MEM-136
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab77237 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. Use 20µl for 10 ⁶ cells or 100µl whole blood.

Target

Relevance Human MHC class II antigens are transmembrane glycoproteins composed of an alpha (36 kDa) and a beta chain (27kDa) and are expressed primarily on antigen presenting cells. Human MHC class II genes are located in the HLA-D region that encodes at least 6 alpha and 10 beta chain genes. Three loci, DR, DQ and DP, encode the major products of the human class II region. The human MHC class II molecules bind intracellularly processed peptides and present them to T-helper cells and therefore have a critical role in the initiation of the immune response. It has been shown that some autoimmune diseases are associated with certain class II alleles.

Cellular localization Cell Membrane; Single pass type I membrane protein

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