

Product datasheet

Anti-HLA DR + HLA DP antibody [MEM-136] ab8094

Overview

Product name	Anti-HLA DR + HLA DP antibody [MEM-136]
Description	Mouse monoclonal [MEM-136] to HLA DR + HLA DP
Host species	Mouse
Specificity	Common epitope on b-chain of human HLA-DR and HLA-DP. Reacts with alpha-beta dimer as well as with dissociated beta subunit.
Tested applications	Suitable for: Flow Cyt, IP, WB
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human HLA DR + HLA DP.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 15mM Sodium Azide Constituents: PBS, pH 7.4
Purity	>95% by SDS-PAGE
Purification notes	Purified from ascites using protein A affinity chromatography.
Clonality	Monoclonal
Clone number	MEM-136
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab8094** 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
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Application	Abreviews	Notes
Flow Cyt		Use a concentration of 0.5 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Use under non reducing condition. Detects a band of approximately 23 kDa.

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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