

## Product datasheet

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

### Overview

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

### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | 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. |
| <b>Storage buffer</b>       | Preservative: 15mM Sodium Azide<br>Constituents: PBS, pH 7.4   |
| <b>Purity</b>               | >95% by SDS-PAGE   |
| <b>Purification notes</b>   | Purified from ascites using protein A affinity chromatography.   |
| <b>Clonality</b>            | Monoclonal   |
| <b>Clone number</b>         | MEM-136  |
| <b>Isotype</b>              | 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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|-------------|-----------|--|
| Flow Cyt    |           | Use a concentration of 0.5 µg/ml.<br><a href="#">ab170190</a> - 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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