DATASHEET

# HLA-DRB1 Rabbit Monoclonal Antibody(C1932)

CAT. NO. AMA01544

## KEY FEATURES

| | | | |
|---|---|---|---|
| Target | HLA-DRB1 | Source / Host | Rabbit |
| Reactivity | Human, Mouse | Clonality | Monoclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. | Storage | at-20°C |

## BACKGROUND

A beta chain of antigen-presenting major histocompatibility complex class II (MHCII) molecule. In complex with the alpha chain HLA-DRA, displays antigenic peptides on professional antigen presenting cells (APCs) for recognition by alpha-beta T cell receptor (TCR) on HLA-DRB1-restricted CD4-positive T cells. This guides antigen-specific T-helper effector functions, both antibody-mediated immune response and macrophage activation, to ultimately eliminate the infectious agents and transformed cells molecule. In complex with the alpha chain HLA-DRA, displays antigenic peptides on professional antigen presenting cells (APCs) for recognition by alpha-beta T cell receptor (TCR) on HLA-DRB1-restricted CD4-positive T cells.

## APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

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|---|---|
| WB | 1:500 - 1:1000 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

## PRODUCT OVERVIEW

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|---|---|
| Description | Recombinant rabbit monoclonal antibody to HLA-DRB1 |
| Specificity | Recognizes endogenous levels of HLA-DRB1 protein |
| Antibody Type | Primary antibody, Recombinant |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within human HLA-DRB1 protein. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 29 kD; Observed: 29 kD |
| Form/Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. |
| Alternative Names | HLA-DRB2; HLA class II histocompatibility antigen, DRB1-15 beta chain; DW2.2/DR2.2; MHC class II antigen DRB1*15 |
| Gene Symbol | HLA-DRB1 |
| Entrez Gene | 3123(Human) |
| SwissProt | P01911(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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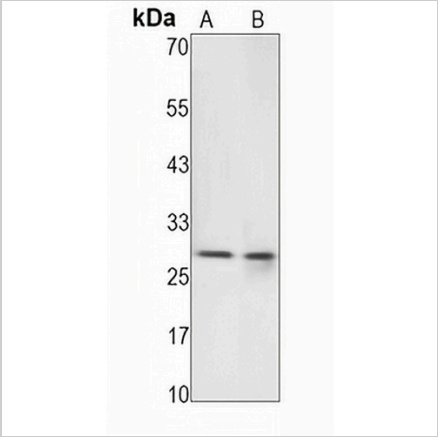
## DATA




Western blot analysis of HLA-DRB1 expression in U87 (A), mouse lung (B) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 29 kD)

## STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

## NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.