

Anti-Human HLA-DR (MHC Class II) In Vivo Antibody - Ultra Low Endotoxin

IVMB0021

Description

This Anti-Human HLA-DR (MHC Class II) In Vivo Antibody - Ultra Low Endotoxin is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

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|----------------------|---|
| SKU: | IVMB0021 |
| Contents: | 1mg, 5mg, 25mg, 50mg, 100mg Bradford Reagent: 1 vial (2ml) |
| Synonyms: | Major Histocompatibility Class II, MHC class II, HLA-DR Monomorphic |
| Category: | Monoclonal Antibody |
| Target: | HLA-DR |
| Clone: | L243 |
| Isotype: | Mouse IgG2a |
| Applications: | B CyTOF® Depletion FC IHC FF In Vivo IP PhenoCycler® WB |
| Specificity: | Clone L243 recognizes a conformational epitope on the human MHC class II molecule HLA-DR α , which depends on the correct folding of the $\alpha\beta$ heterodimer ¹ . It does not cross-react with HLA-DP or HLA-DQ. |

Antibody Data

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| Reactivity: | Baboon, Chimpanzee, Cynomolgus Monkey, Marmoset, Rhesus Monkey, Squirrel Monkey, Canine, Human |
| Host species: | Mouse |
| Expression Host: | - |

Manufacturers Statement

This final kit system is assembled and quality-released by Assay Genie Limited.

- Immunogen:** Unknown
- Product concentration:** ≥ 5.0 mg/ml
- Endotoxin Level:** <0.5 EU/mg as determined by the LAL method
- Purity:** $\geq 98\%$ Monomer by analytical SEC, $>98\%$ by SDS Page
- Formulation:** This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Preparation & Storage

- Storage:** Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at $\leq -70^\circ\text{C}$. Avoid Repeated Freeze Thaw Cycles.
Store Bradford Reagent at Room Temperature for 1 Year.
- Shipping:** Next Day 2-8°C
- Preparation:** Functional grade preclinical antibodies are manufactured in an animal free facility using in vitro cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.
- Recommended Dilution Buffer:** In vivo Antibody Diluent pH 7.2

| Recommended Usage: | Application | Recommended Usage |
|--------------------|-------------|---|
| | FC | The suggested concentration for this HLA-DR (Clone L243) antibody for staining cells in flow cytometry is ≤ 0.5 μg per 10^6 cells in a volume of 100 μl or 100 μl of whole blood. Titration of the reagent is recommended for optimal performance for each application. |
| | WB | The suggested concentration for this HLA-DR (Clone L243) antibody |

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| | for use in western blotting is 1-10 $\mu\text{g/ml}$. |
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**Protein
Quantification
(Optional):**

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol