

HLA-DR Monoclonal Antibody (LN3), eBioscience™

| Product Details | |
|--------------------|--|
| Size | 25 µg |
| Species reactivity | Human |
| Published species | Cynomolgus Monkey, Human, Mouse, Rhesus monkey |
| Host / Isotype | Mouse / IgG2b, kappa |
| Class | Monoclonal |
| Type | Antibody |
| Clone | LN3 |
| Conjugate | Unconjugated |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | 0.09% sodium azide |
| Storage conditions | 4°C |
| RRID | AB_468638 |

| Applications | Tested Dilution | Publications |
|---|-----------------|-----------------|
| Flow Cytometry (Flow) | 0.125 µg/test | 13 Publications |
| Immunocytochemistry (ICC/IF) | - | 3 Publications |
| Immunohistochemistry (IHC) | - | 4 Publications |
| Immunohistochemistry (Frozen) (IHC (F)) | Assay-Dependent | 4 Publications |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1 µg/mL | 2 Publications |
| Western Blot (WB) | 1:1000 | - |

Product Specific Information

Description: The LN3 mAb reacts with the human major histocompatibility complex (MHC) class II, HLA-DR. HLA-DR is expressed on the surface of human antigen presenting cells (APC) including B cells, monocytes, macrophages, DCs, and activated T cells. HLA-DR is a heterodimeric transmembrane protein composed of alpha and beta subunits and plays an important role in the presentation of peptides to CD4⁺ T lymphocytes.

Applications Reported: The LN3 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining.

Immunohistochemistry can be performed using frozen and Bouin's, or formalin/paraffin, human tissues.

Applications Tested: The LN3 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Visit thermofisher.com to view references and figures.

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