

# Technical Data Sheet

## FlowMAb PE anti-human/monkey MHC class II (HLA-DR)



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### Lot Specific Information

**Lot Number:** Lot Specific\*  
**Volume:** Lot Specific\*  
**Concentration:** Lot Specific\* (generally 4 to 11 mg/ml) \*  
**Total Protein:** Lot Specific\*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

**Catalog Number:** FM0306-PE  
**Clone:** L243  
**Isotype:** Mouse IgG2a, κ  
**Conjugation:** PE  
**Excitation Source:** Yellow-Green 488 nm, 532 nm, 561 nm  
**Excitation Max:** 496 nm, 566 nm  
**Emission Max:** 576 nm  
**Immunogen:** Human lymphoblastoid B cell line RPMI 8866.9  
**Reported Applications:** Flow cytometry  
**Formulation:** PBS, pH 7.0  
Contains 0.09% Sodium Azide  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_2736986](https://abnova.com/AB_2736986)

### Description

The L243 monoclonal antibody reacts with the human and monkey MHC class II, HLA-DR. The transmembrane glycoprotein HLA-DR consists of a 36 kDa chain and a 27 kDa chain. Antigen-presenting cells such as B cells, monocytes, macrophages, thymic epithelial cells, and activated T cells primarily express HLA-DR. HLA-DR is critical for the presentation of peptides to CD4+ T cells. This R-phycoerythrin (R-PE or PE)-conjugated version of the antibody is useful for flow cytometry and immunofluorescence, immunohistochemistry (frozen), and immunohistochemistry (paraffin).

### Storage

Store at the stock concentration at 4°C and protected from prolonged exposure to light. **Do not freeze.**

### Protocol Information

It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

### Application References

For a complete list of references, visit [https://bioxcell.com/fm0306-pe?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/fm0306-pe?bxcs=9k1b3a#tab_references) or scan the QR code below.



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