Technical Data Sheet

InVivoMAb anti-human/monkey MHC class II (HLA-DR)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

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:	**BE0306**
Clone:	**L243**
Isotype:	Mouse IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Human lymphoblastoid B cell line RPMI 8866.9
Reported Applications:	*in vitro* blocking of MHC class II HLA-DR HLA class II binding assay *in vitro* MHC class II HLA-DR expressing cell negative selection Western blot Flow cytometry
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2736986
Molecular Weight:	150 kDa

Description

The L243 monoclonal antibody reacts with the human and monkey MHC class II, HLA-DR. HLA-DR is a transmembrane glycoprotein composed of an α chain (36 kDa) and a β chain (27 kDa). HLA-DR is expressed primarily on antigen presenting cells such as B cells, monocytes, macrophages, thymic epithelial cells and activated T cells. HLA-DR is critical for the presentation of peptides to CD4+ T cells.

Storage

Store at the stock concentration at 4°C. **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/catalogsearch/result/?q=BE0306#tab_references or scan the QR code below.

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