Technical Data Sheet

FlowMAb APC anti-mouse CD4

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:	**FM0003-1-APC**
Clone:	**GK1.5**
Isotype:	Rat IgG2b, κ
Conjugation:	APC
Excitation Source:	Red 627-640 nm
Excitation Max:	651 nm
Emission Max:	660 nm
Immunogen:	Mouse CTL clone V4
Reported Applications:	Flow cytometry
Formulation:	PBS, pH 6.5 Contains 0.09% Sodium Azide
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_1107636

Description

The GK1.5 monoclonal antibody reacts with the CD4 antigen of mouse and Syrian hamster species. The CD4 antigen is a 55 kDa cell surface type I membrane glycoprotein belonging to the immunoglobulin superfamily. CD4 acts as a co-receptor, which, in cooperation with the T cell receptor (TCR), interacts with class II MHC molecules displayed by antigen presenting cells (APC). CD4 is expressed by the majority of thymocytes, most helper T cells, a subset of NK-T cells, and weakly by dendritic cells and macrophages. CD4 plays an important role in the development of T cells and is required for mature T cells to function optimally. The GK1.5 antibody clone competes with clones YTS 177 and YTS 191 for CD4 binding. This allophycocyanin (APC)-conjugated version of the GK1.5 antibody is useful for flow cytometry, immunofluorescence, and immunohistochemistry (frozen) applications.

Storage

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

Protocol Information

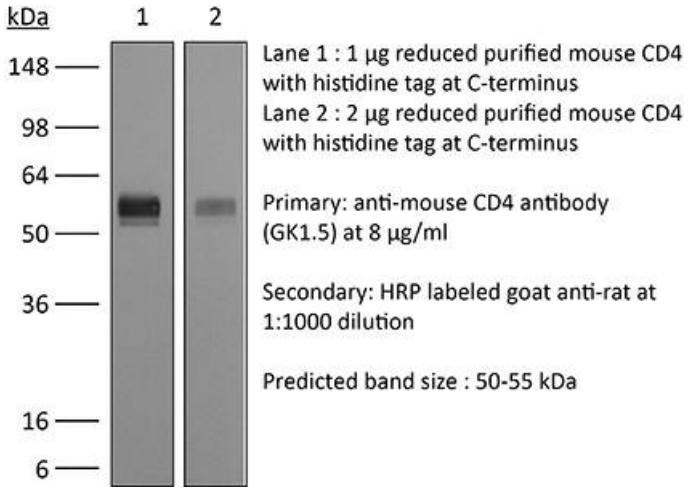
It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

Application References

For a complete list of references, visit https://bioxcell.com/fm0003-1-apc?bxcs=9k1b3a#tab_references or scan the QR code below.

Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail technicalservice@bioxcell.com.



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