

Technical Data Sheet

FlowMAb FITC anti-mouse PD-L1 (B7-H1)



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: FM0101-FITC
Clone: 10F.9G2™
Isotype: Rat IgG2b, κ
Conjugation: FITC
Excitation Source: Blue 488 nm
Excitation Max: 494 nm
Emission Max: 518 nm
Immunogen: Mouse CD274
Reported Applications: Immunofluorescence Immunohistochemistry (frozen) 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_10949073](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_10949073)

Description

The 10F.9G2™ monoclonal antibody reacts with mouse PD-L1 (programmed death ligand 1), also known as B7-H1 or CD274. PD-L1 is a 40 kDa type I transmembrane protein that belongs to the B7 family of the Ig superfamily. PD-L1 is expressed on T lymphocytes, B lymphocytes, NK cells, and dendritic cells, as well as IFN γ -stimulated monocytes, epithelial cells, and endothelial cells. PD-L1 binds to its receptor, PD-1, found on CD4 and CD8 thymocytes as well as activated T and B lymphocytes and myeloid cells. Engagement of PD-L1 with PD-1 leads to inhibition of TCR-mediated T cell proliferation and cytokine production. PD-L1 is thought to play an important role in tumor immune evasion. Induced PD-L1 expression is common in many tumors and results in increased resistance of tumor cells to CD8 T cell-mediated lysis. In mouse models of melanoma, tumor growth can be transiently arrested via treatment with antibodies that block the interaction between PD-L1 and PD-1. This fluorescein isothiocyanate (FITC)-conjugated version of the 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

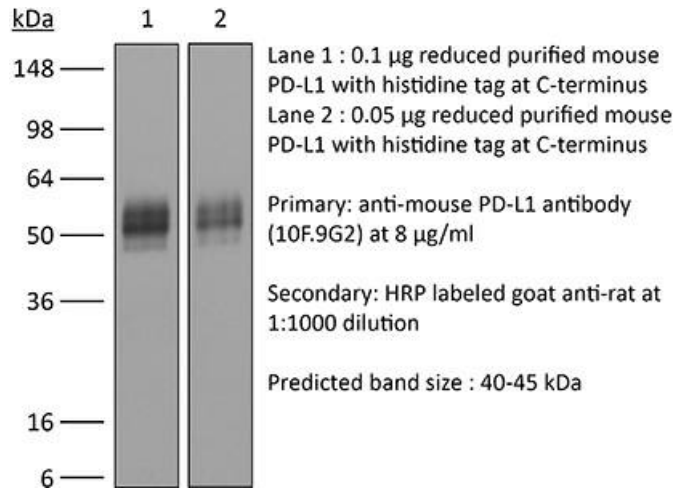
It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

Application References

For a complete list of references, visit https://bioxcell.com/fm0101-fitc?bxc=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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