

# Technical Data Sheet

## FlowMAb PE anti-mouse CD86 (B7-2)



**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:** FM0025-PE  
**Clone:** GL-1  
**Isotype:** Rat IgG2a,  $\kappa$   
**Conjugation:** PE  
**Excitation Source:** Yellow-Green 488 nm, 532 nm, 561 nm  
**Excitation Max:** 496 nm, 566 nm  
**Emission Max:** 576 nm  
**Immunogen:** LPS-activated CBA/Ca mouse splenic B cells  
**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\\_1107678](https://abnova.com/AB_1107678)

### Description

The GL-1 monoclonal antibody reacts with mouse CD86, also known as B7-2. CD86 is an 80 kDa Ig superfamily member. CD86 is expressed by activated T and B cells, macrophages, and dendritic cells. This ligand binds to CD28 to provide a costimulatory signal necessary for T cell activation and survival and cytokine production. Additionally, CD80 binds to CTLA-4, which inhibits T cells. This R-phycoerythrin (R-PE)-conjugated version of the GL-1 antibody is useful for flow cytometry and immunofluorescence 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/fm0025-pe?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/fm0025-pe?bxcs=9k1b3a#tab_references) or scan the QR code below.



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