

# Technical Data Sheet

## FlowMAb APC anti-human/monkey CD28



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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:** FM0291-APC  
**Clone:** CD28.2  
**Isotype:** Mouse IgG1,  $\kappa$   
**Conjugation:** APC  
**Excitation Source:** Red 627-640 nm  
**Excitation Max:** 651 nm  
**Emission Max:** 660 nm  
**Immunogen:** Human CD28 transfected cell line  
**Reported Applications:** Flow cytometry Immunohistochemistry (frozen)  
**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\\_2687814](https://abnova.com/AB_2687814)

### Description

The CD28.2 monoclonal antibody reacts with human and monkey CD28, a 45 kDa costimulatory receptor and a member of the Ig superfamily. CD28 is expressed by thymocytes, most peripheral T cells, and NK cells. CD28 is a receptor for CD80 (B7-1) and CD86 (B7-2). Signaling through CD28 augments IL-2 and IL-2 receptor expression as well as the cytotoxicity of CD3-activated T cells. This allophycocyanin (APC)-conjugated version of the antibody is useful for flow cytometry 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/fm0291-apc?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/fm0291-apc?bxcs=9k1b3a#tab_references) or scan the QR code below.



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