

Product Datasheet

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Anti-Mouse CD28 (Clone 37.51)

Purified Monoclonal Antibody

Product Information

Product No.: C243
Clone: 37.51
RRID: AB_2829526
Isotype: Syrian Hamster IgG
Storage: Sterile 2-8°C

Product Description

Specificity:

Clone 37.51 recognizes an epitope on mouse CD28.

Antigen Distribution:

CD28 is expressed on thymocytes, CD4+, CD8+ peripheral T cells, NK cells.

Background:

CD28 is a 44 kD glycoprotein and a member of the Ig superfamily. In its capacity as a costimulatory receptor, CD28 produces co-stimulatory signals necessary for T cell activation and survival. CD28 is the only B7 receptor constitutively expressed on naive T cells. Without having this CD28/B7 interaction, T cells will fail to respond to their specific antigen when coming in contact with an MHC/antigen complex and thus, are said to be anergic.

Known Reactivity Species:

Mouse

Format:

Purified

Formulation

This purified antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

Storage and Stability

This purified antibody is stable when stored at 2-8°C. **Do not freeze.**

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

FC The suggested concentration for this 37.51 antibody for staining cells in flow cytometry is $\leq 1.0 \mu\text{g}$ per 10^6 cells in a volume of 100 μl . Titration of the reagent is recommended for optimal performance for each application.

Other Applications Reported in Literature:

IHC (Frozen)

B

Cosim

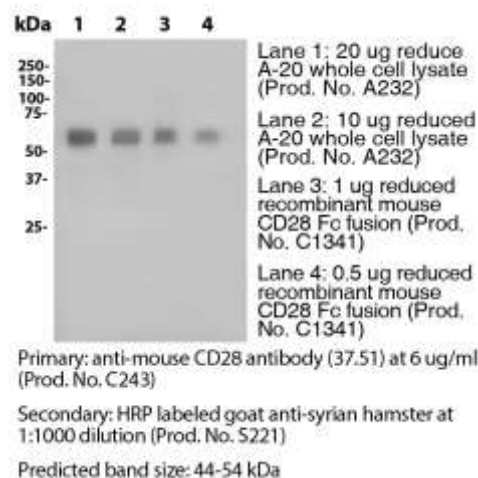
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Country of Origin

USA

References

Gross, J. A. *et al.* (1992) *J. Immunol.* **149**:380



Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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