



Meridian

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CERTIFICATE OF ANALYSIS

Catalog #: P01243M **Lot #:** 3C07004

Description: MAb to Mouse CD28
Monoclonal Antibody to Mouse CD28

Specificity: Recognizes the CD28 co-stimulatory receptor, a ligand of CD80 (B7-1) and CD86 (B7-2). CD28 is important for transmitting co-stimulatory signals for optimal T-cell activation. Present on most thymocytes, CD4⁺, CD8⁺ T-cells. The 37.51 antibody augments proliferation and IL-2 production by activated T-cells.

Clone: 37.58

Host Animal: Hamster **Isotype:** IgG

Source: Cell culture

Format: Purified, Liquid

Purification: Protein A chromatography

Concentration: 0.5mg/ml (OD280nm)

Affinity Constant: Not determined.

Buffer: 0.01M PBS, pH 7.2 containing 1% BSA.

Preservative: 0.09% Sodium Azide

Applications: Anti-CD28 has application in flow cytometric analysis of T-cells. May be used to stimulate T-cells in vitro. We suggest using 1ug to stain 1x10⁶ cells in flow cytometric applications. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Short-term (up to 1 month) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

References: The reference listed below is for research purposes only.
Gross, J.A., et al., (1992), J. Immunol., **149**:380.

Signature

23 September 2013

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

