

Datasheet for ABIN135532

anti-CD28 antibody



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1 Image

1 Publication

Overview

Quantity:	0.5 mg
Target:	CD28
Reactivity:	Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD28 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Chicken peripheral blood lymphocytes
Clone:	AV7
Isotype:	IgG1
Specificity:	Chicken/Turkey CD28, Mr 40-44 kDa
Characteristics:	Mouse Anti-Chicken CD28-UNLB
Purification:	Purified

Target Details

Target:	CD28
Alternative Name:	CD28 (CD28 Products)
Background:	Chicken CD28 antigen is a type I transmembrane monomeric glycoprotein which does not

Target Details

contain the cysteine residues that form disulfide-linked covalent homodimers found in the mammalian counterpart. This may reduce the avidity of binding to individual ligand molecules expected to be present on Ag presenting cells. Peripheral + T cells are CD28-negative.¹ Monoclonal antibodies against CD28 have a costimulatory effect on T cells stimulated by phorbol myristate acetate (PMA), concanavalin A or MAbs against the avian T cell receptor (TCR). Both V1- and V2-expressing cells respond equally well to stimulation with anti-CD28 in combination with PMA. These responses are resistant to cyclosporin A, but inhibited by herbimycin A, suggesting that CD28 employs a signalling pathway at least partly distinct from that triggered by TCR/CD3.

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , ICC - Reported in literature , IP - Reported in literature , Costim - Reported in literature
- **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 1 g/106 cells PE conjugate 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Comment: In vitro T-cell costimulation

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative: Without preservative

Handling Advice: Each reagent is stable for the period shown on the bottle label if stored as directed.

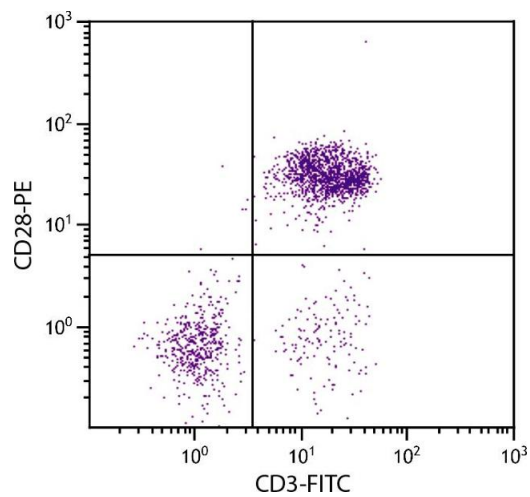
Storage: 4 °C

Storage Comment: Store at 2-8°C

Publications

Product cited in: Cha, Khatri, Mutnal, Sharma: "Pathogenic and immunogenic responses in turkeys following in ovo exposure to avian metapneumovirus subtype C." in: **Veterinary immunology and immunopathology**, (2010) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken CD28-PE.