CD28 Antibody [clone C28/75] (V2053)

Catalog No.	Formulation	Size
V2053-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2053-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2053SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	C28/75
Purity	Protein G affinity chromatography
Gene ID	940
Localization	Cell surface
Applications	Flow cytometry: 1-2ug/10^6 cells Functional studies (order BSA/sodium azide-free format)
Limitations	This CD28 antibody is available for research use only.



Description

This antibody recognizes a glycoprotein of 44-88kDa, which is identified as CD28. It is the critical T-cell co-stimulatory

receptor which provides to the cell the important second activation signal by binding CD80 and CD86 that are expressed by antigen presenting cells. Besides its co-stimulation role, CD28 functions in preventing T-cells from anergic hyporesponsive state or from undergoing premature apoptotic cell death. CD28 is also expressed on human fetal NK cells and some NK cell lines, whereas on murine NK cells the CD28 expression is much broader.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.
1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 1mM EDTA Buffer, pH 8.5-9.5, for 10-20 min followed by cooling at RT for 20 minutes.

Immunogen

Recombinant human CD28 protein was used as the immunogen for this antibody.

Storage

Store the CD28 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (3)

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