

Product datasheet

anti-CD28 agonist mouse monoclonal, CD28A-49, purified

Short overview

Cat. No.	691573
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	CD28A-49
Immunogen	rCD28
Formulation	PBS with 0.02% sodium azide
UniprotID	P10747 (Human)
Synonym	T-cell-specific surface glycoprotein CD28, TP44, CD antigen CD28, CD28
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

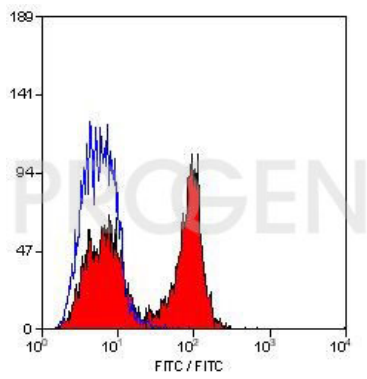
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:25-1:50 (2-4 µg/ml)

Background

CD28 is the critical T-cell co-stimulatory receptor, which provides 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. CD28A-49 acts as agonist of CD28 mediated stimulation.

Positive control: Jurkat cells or human lymph nodes and tonsils.

Product images



FACS with human peripheral blood lymphocytes (PBL)