

## 30-1627: Anti-CD28 Monoclonal Antibody (Clone:37.51)-Low Endotoxin(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	37.51
<b>Application :</b>	FACS, IP, IHC-Fr, ICC, Functional Assay
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Cd28
<b>Gene ID :</b>	12487
<b>Uniprot ID :</b>	P31041
<b>Format :</b>	Low Endotoxin
<b>Alternative Name :</b>	Cd28
<b>Isotype :</b>	Hamster IgG
<b>Immunogen Information :</b>	Mouse T cell lymphoma EL-4 cells

### Description

CD28 is the critical T cell costimulatory 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 costimulation role CD28 functions in preventing T cells from anergic hyporesponsive state or from undergoing premature apoptotic cell death. In murine peripheral lymphoid organs and in the blood, all CD4+ and CD8+ T cells express CD28. In the thymus, CD28 expression is highest on immature CD3-, CD8+ and CD4+8+ cells, and on CD4-8- cells that express alpha/beta and gamma/delta TCR. The level of CD28 on mature CD4+ and CD8+ alpha/beta TCR+ thymocytes is two- to fourfold lower than on the immature cells.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-G affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Flow Cytometry** *Recommended dilution:* 6  $\mu\text{g}$  / ml **Immunoprecipitation** *Recommended dilution:* 1-2  $\mu\text{g}$  / 100-500  $\mu\text{g}$  of protein in 1 ml lysate **Immunohistochemistry (frozen sections)** **Immunocytochemistry** *Recommended dilution:* 1-4  $\mu\text{g}$  / ml

**Functional Application** In vitro and in vivo T cell costimulation