

## 4-1BBL (R69) polyclonal antibody

Catalog: BS1993

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

4-1BB was originally described as a cDNA expressed by activated murine T cells and subsequently demonstrated to encode a member of the tumor necrosis factor receptor family of integral membrane proteins. Recently, a murine ligand for 4-1BB (mu4-1BB-L) was cloned and demonstrated to be a member of an emerging family of ligands with structural homology to tumor necrosis factor. Both monoclonal antibody to hu4-1BB and cells transfected with hu4-1BB-L induced a strong proliferative response in mitogen co-stimulated primary T cells. In contrast, ligation of 4-1BB on T cell clones enhanced activation-induced cell death when triggered by engagement of the TCR/CD3 complex. To reject tumors, T cells must overcome poor tumor immunogenicity and an adverse tumor microenvironment. It has been shown that primary human T cells expressing CD80 and 4-1BBL vigorously respond to tumor cells lacking costimulatory ligands and provoke potent rejection of large, systemic tumors in immunodeficient mice.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 26 kDa

### Swiss-Prot:

P41273

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

IF: 1:50~1:200

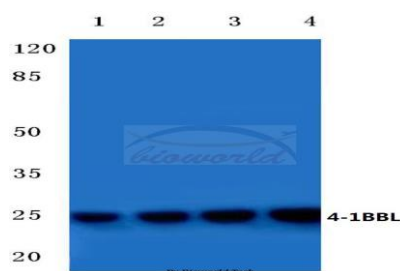
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

4-1BBL (R69) polyclonal antibody detects endogenous levels of Tumor necrosis factor ligand superfamily member 9 protein.

### DATA:



### Note:

For research use only, not for use in diagnostic procedure.

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