

**4-1BBL Rabbit Monoclonal Antibody
Product Data Sheet**

Catalog # 2305-1

Clone ID: EPR1172Y Lot #: Please refer to vial
Quantity: 100ul
Type: Rabbit Monoclonal IgG
Species Cross-reactivity*: Human Mouse Rat
Applications: WB IHC ICC Flow Cytometry IP
Molecular Wt.: 26 kDa
UniProt ID: P41273

*Species cross-reactivity is based on WB analysis

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. (1). 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 (2).

Specificity: A synthetic peptide corresponding to residues near the N-terminus of human 4-1BBL was used as an immunogen.

Storage Conditions: Store at -20 °C. Buffer: 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Recommended Dilutions:

WB: 1:500 – 2000
IHC: 1:100 – 250
ICC: 1:100 – 250
IP: 1:40

Please visit www.epitomics.com for recommended protocols

Background References:

1. Alderson MR, et al. Eur J Immunol 24(9):2219-27, 1994
2. Steohan MT, et al. Nat Med 13(12):1440-9, 2007

kDa

150-
100-
75-
50-
37-
25-
20-
15-
10-



Fig 1. Western blot analysis on 293T cell lysate using anti-4-1BBL RabMAb (cat. # 2305-1), dilution 1:2000.

Product QC'd by: _____

A handwritten signature in black ink, appearing to read 'D. J. ...', written over a horizontal line.

For research use only. Not for use in diagnostic or therapeutic applications.

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit us at www.epitomics.com.

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