

Product datasheet for **PP1201P2**

CD137 (TNFRSF9) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA Indirect: To detect Human 4-1BB Receptor by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human 4-1BB Receptor. Sandwich: To detect Human 4-1BB Receptor by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with with Biotinylated Anti-Human 4-1BB Receptor (PP1201B1 or PP1201B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human 4-1BB Receptor. Western Blot: To detect Human 4-1BB Receptor, this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human 4-1BB Receptor is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Human 4-1BB Receptor.
Specificity:	This antibody reacts with 4-1BB Receptor.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (Sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized h4-1BB Receptor.
Conjugation:	Unconjugated



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Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: tumor necrosis factor receptor superfamily member 9

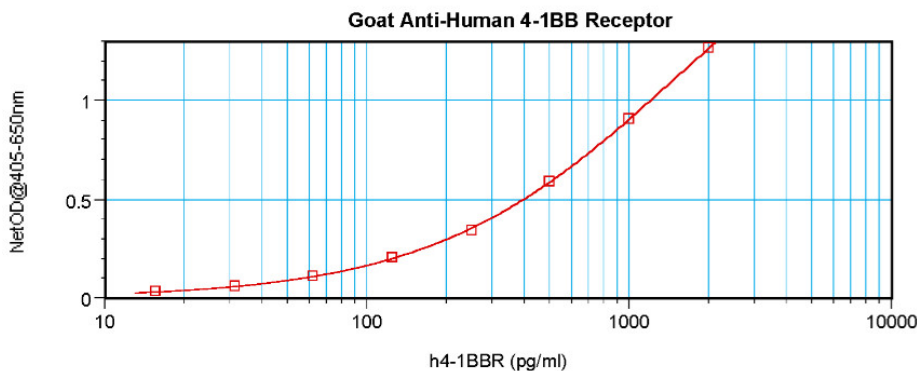
Database Link: [Entrez Gene 3604 Human Q07011](#)

Background: 4-1BB Receptor (also known as TNFRSF9, CD137 antigen, T-cell antigen ILA), a member of the TNF superfamily of receptors, is mainly expressed on the surface of a variety of T cells, but also found in B cells, monocytes, and various transformed cell lines. 4-1BB Receptor binds to 4-1BBL to provide a co-stimulatory signal for T lymphocytes. Signaling by 4-1BB Receptor has been implicated in the antigen-presentation process and generation of cytotoxic T cells. The human 4-1BB Receptor gene codes for a 255 amino acid type I transmembrane protein containing a 17 amino acid N-terminal signal sequence, a 169 amino acid extracellular domain, a 27 amino acid transmembrane domain and a 42 amino acid cytoplasmic domain.

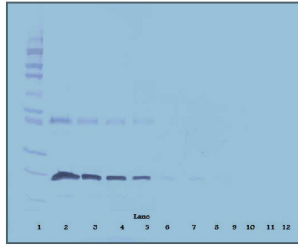
Synonyms: 4-1BB ligand receptor, 4-1BB homolog, ILA, CDw137

Note: Centrifuge vial prior to opening!

Product images:



Sandwich ELISA using anti 4-1BB Receptor Antibody [PP1201P]



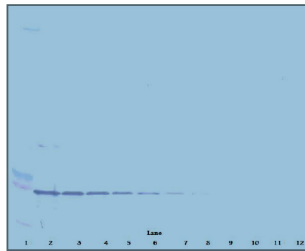
Lane	ng/lane	Comments
1	Marker	MultiMark MultiColor Standard (Invitrogen)
2	250	
3	125	
4	62.5	
5	31.25	
6	15.625	
7	7.8	
8	3.9	
9	1.95	
10	0.975	
11	0.4875	
12	0.24	

Western Blot (Reduced) using anti-4-1BB receptor antibody [PP1201P] with recombinant Human 4-1BB Receptor.

Antibody concentration: 0.20 µg/ml.

Lower limit of detection: 0.24 ng/lane.

Molecular Weight: 17.7 kDa.



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12	0.24	

Western Blot (Unreduced) using anti-4-1BB receptor antibody [PP1201P] with recombinant Human 4-1BB Receptor.

Antibody concentration: 0.20 µg/ml.

Lower limit of detection: 0.24 ng/lane.

Molecular Weight: 17.7 kDa.