

Datasheet: AHP1863B

Description:	GOAT ANTI HUMAN CD137:Biotin
Specificity:	CD137
Other names:	4-1BB LIGAND RECEPTOR
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 0.5ml sterile PBS containing 0.1% bovine serum albumin. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
Antiserum Preparation	Antiserum to human CD137 were raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution

Immunogen Recombinant human CD137

**External Database
Links**

UniProt:

[Q07011](#) [Related reagents](#)

Entrez Gene:

[3604](#) TNFRSF9 [Related reagents](#)

Synonyms

CD137, ILA

Specificity

Goat anti Human CD137 antibody specifically recognizes human CD137, otherwise known as 4-1BB ligand receptor, a type I transmembrane glycoprotein and member of the tumour necrosis factor receptor superfamily, predominantly expressed by activated T cells, which acts as a receptor for 4-1BB ligand (4-1BBL).

Interaction between CD137 and 4-1BBL, acts as a co-stimulatory signal for T cell activation and expansion, and is involved in the generation of cytotoxic T cells (Tc) and in the process of antigen presentation. CD137 also binds to the adaptor proteins TRAF1, 2 and 3 to act as a signal transducer of NF-kappaB activation.

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet Documentation #10162 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

STREPTAVIDIN (STAR119...) [APC](#)

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