

## Datasheet: AHP1863B

<b>Description:</b>	GOAT ANTI HUMAN CD137:Biotin
<b>Specificity:</b>	CD137
<b>Other names:</b>	4-1BB LIGAND RECEPTOR
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilized
<b>Reconstitution</b>	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.
<b>Antiserum Preparation</b>	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.
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml after reconstitution
<b>Immunogen</b>	Recombinant human CD137
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q07011</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3604</a>    TNFRSF9    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CD137, ILA
<b>RRID</b>	AB_2240928
<b>Specificity</b>	<p><b>Goat anti Human CD137 antibody</b> 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).</p> <p>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.</p>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: 10294: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf</a>
<b>Regulatory</b>	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

**Printed on 28 Jun 2022**

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