

Datasheet: AHP1029B

Description:	GOAT ANTI HUMAN CD154:Biotin
Specificity:	CD154
Other names:	CD40 LIGAND, TRAP
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	▪			0.15 - 0.30ug/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
Species Cross Reactivity	Reacts with: Yeast N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 1.0ml 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	Antisera to human CD154 were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.

Approx. Protein Concentrations	IgG concentration 50ug/ml
Immunogen	Recombinant human CD154
External Database Links	<p>UniProt: P29965 Related reagents</p> <p>Entrez Gene: 959 CD40LG Related reagents</p>
Synonyms	CD40L, TNFSF5, TRAP
Specificity	<p>Goat anti Human CD154 antibody recognizes the soluble form of human CD154, also designated CD40L (sCD40 Ligand), a member of the TNF receptor superfamily, comprising the full-length of the TNF homologous region of CD154.</p> <p>CD154 is expressed predominantly on activated CD4+ T lymphocytes, and acts as a costimulatory molecule in B cell differentiation/proliferation, immunoglobulin switching and germinal centre formation, through interaction with the CD40 receptor on B cells, and cytokines secreted by activated T cells.</p>
ELISA	This biotinylated human CD154 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our purified human CD154 antibody (AHP1029) as the capture reagent and recombinant human CD154 (PHP126) as the standard.
Further Reading	1. Hollenbaugh, D. <i>et al.</i> (1992) The human T cell antigen gp39, a member of the TNF gene family, is a ligand for the CD40 receptor: expression of a soluble form of gp39 with B cell co-stimulatory activity. EMBO J. 11: 4313-4321.
Storage	<p>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.</p>
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	<p>Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</p>
Regulatory	For research purposes only

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