

Datasheet: PHP126

Description:	RECOMBINANT HUMAN CD154
Name:	CD154
Other names:	CD40 LIGAND, TRAP
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 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
Western Blotting	▪			0.05 ug - 0.5 ug
Functional Assays	▪			

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 recombinant protein - lyophilised
Reconstitution	Reconstitute with 10ul 5-10mM sodium phosphate pH7.5. 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.
Preparation	Recombinant protein expressed in <i>E.Coli</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	1.0 mg/ml
External Database Links	UniProt: P29965 Related reagents Entrez Gene:

Synonyms CD40L, TNFSF5, TRAP

Product Information **Recombinant Human CD154** is an *E. coli* derived protein corresponding to human CD154, also known as CD40 ligand, CD40L or TRAP. CD154 is a membrane protein expressed by activated T cells. Binding of CD154 to its ligand (CD40) on B cells induces B cell proliferation and immunoglobulin class switching.

This preparation of Recombinant Human CD154 comprises the receptor binding TNF-like domain of human CD154.

Protein Molecular Weight 16.3kDa (149 amino acid sequence)

Purity >98% by SDS PAGE and HPLC sequence analysis

Storage Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

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

Shelf Life 3 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet Documentation #10209 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10209.pdf>

Regulatory For research purposes only

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