

## Datasheet: AHP1215

<b>Description:</b>	RABBIT ANTI HUMAN CD253
<b>Specificity:</b>	CD253
<b>Other names:</b>	TRAIL
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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 (1)	▪			0.25ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			150ng/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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	<p>Reconstitute with 0.1ml distilled water</p> <p>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.</p> <p>N.B. For functional studies do not add sodium azide</p>
<b>Antiserum Preparation</b>	Antisera to human CD253 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography against immobilized antigen.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution.
<b>Immunogen</b>	Recombinant human CD253 ( <a href="#">PHP125</a> )
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P50591</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8743</a> TNFSF10   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	APO2L, TRAIL
<b>Specificity</b>	<p><b>Rabbit anti Human CD253 antibody</b> recognizes human Tumor necrosis factor ligand superfamily member 10 otherwise known as TRAIL, CD253 or Apo2L. CD253 is a 281 amino acid type II transmembrane glycoprotein and member of the tumour necrosis factor superfamily, which induces apoptosis in tumour and transformed cells, but not normal cells.</p> <p>Activation of apoptosis by CD253 occurs through binding to the death-signaling receptors DR4 (TRAILR1) and DR5 (TRAILR2), leading to formation of the death-inducing signaling complex (DISC) and the triggering of a proteolytic caspase cascade. There are however decoy receptors known as DcR1 (TRAILR3) and DcR2 (TRAILR4) which competitively bind to CD253 and are unable to initiate apoptosis.</p> <p>CD253 also plays a role in immune surveillance, acting as a mediator of monocyte, NK cell, dendritic cell and T cell anti-tumour and anti-viral cytotoxicity.</p>
<b>Histology Positive Control Tissue</b>	Metastatic carcinoma of lymph node from breast tissue
<b>Further Reading</b>	1. Almasan, A. & Ashkenazi, A. (2003) Apo2L/TRAIL: apoptosis signaling, biology, and potential for cancer therapy. <a href="#">Cytokine Growth Factor Rev. 14 (3-4): 337-48.</a>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>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>
<b>Shelf Life</b>	12 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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**Printed on 02 May 2018**

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