

Datasheet: PHP215

Description:	RECOMBINANT HUMAN CD120b
Name:	CD120b
Other names:	TNF-R2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	20 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
ELISA	▪			0.2 - 0.4 ng/well
Western Blotting	▪			1.5 - 3.0 ng/lane
Functional Assays	▪			0.125ug/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 recombinant protein - lyophilized
Reconstitution	<p>Reconstitute with 0.2 ml distilled water. For extended storage the addition of 0.1% BSA is recommended.</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.</p>
Preparation	Purified recombinant CD120b expressed in <i>E.coli</i>
Source	E.coli
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	None present

Carrier Free	Yes
Endotoxin Level	< 1.0 EU/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution.
External Database Links	<p>UniProt: P20333 Related reagents</p> <p>Entrez Gene: 7133 TNFRSF1B Related reagents</p>
Synonyms	TNFR1, TNFR2
Product Information	<p>Recombinant human CD120b is an 18.9 kDa peptide comprised of 174 amino acids representing the soluble form of CD120b. Soluble human CD120b, otherwise known as sTNF receptor type II (sTNFRII), is a member of the tumour necrosis factor receptor (TNFR) superfamily, produced by proteolytic cleavage of the membrane form by the metalloprotease TACE.</p> <p>CD120b plays a key role in regulating the inflammatory response, acting as a receptor for both tumour necrosis factor alpha (TNF-alpha) and TNF-beta, and is also involved in programmed cell death and anti-viral activity. sTNFRII acts as an inhibitor of TNF-alpha induced responses, by acting as a decoy receptor.</p>
Protein Molecular Weight	18.9 kDa (174 amino acid residues)
Activity	Determined by its inhibitory effect of the TNF-alpha mediated cytotoxicity in murine L-929 cells. The ED ₅₀ for this effect in the presence of 0.25 ng/ml of recombinant human TNF-alpha is 0.125 µg/ml.
Purity	>98% by SDS PAGE and HPLC
ELISA	Recombinant human CD120b may be used as a standard for ELISA applications with either a purified human CD120b antibody (AHP1833) or a biotinylated human CD120b antibody (AHP1833B).
Western Blotting	Recombinant human CD120b may be used as the positive control in Western Blotting applications with either a purified human CD120b antibody (AHP1833) or a biotinylated human CD120b antibody (AHP1833B).
Storage	<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>

Guarantee	3 months from date of reconstitution
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP21510527
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[RABBIT ANTI HUMAN CD120b \(AHP1833\)](#)

[RABBIT ANTI HUMAN CD120b:Biotin \(AHP1833B\)](#)

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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
'M420119:230706'

Printed on 12 Aug 2023