

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 | TNFBR, 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/PHP215 10527 |
|--------------------------------------|--|

| | |
|-------------------|----------------------------|
| Regulatory | For research purposes only |
|-------------------|----------------------------|

Related Products

Recommended Useful Reagents

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

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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)

'M415782:230113'

Printed on 25 Mar 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)