

Datasheet: 2222-5909

**BATCH NUMBER 150120**

<b>Description:</b>	NATIVE HUMAN C3b
<b>Name:</b>	C3b
<b>Other names:</b>	COMPLEMENT COMPONENT 3b
<b>Format:</b>	Purified
<b>Product Type:</b>	Antigen
<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
ELISA	▪			

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified C3b from human serum - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	1.0 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01024</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">718</a>    C3    <a href="#">Related reagents</a></p>

**Synonyms** CPAMD1

---

**Product Information** **Native Human C3b** is derived by cleavage of the C3-alpha chain at peptide bond 77. This results in production of C3a and C3b fragments. The C3b fragment is a glycoprotein composed of the modified C3-alpha chain and the intact C3-beta chain. Nascent C3b has the transient ability to form a covalent ester bond with a variety of target surfaces. Once bound to target surfaces C3b becomes an essential subunit of both the classical and alternative pathway C5 cleaving enzymes.

---

**Protein Molecular Weight** 180 kDa

---

**Purity** >90% by SDS-PAGE

---

**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee** 12 months from date of despatch

---

**Health And Safety Information** Material Safety Datasheet documentation #10209 available at:  
<https://www.bio-rad-antibodies.com/SDS/2222-5909>  
10209

Donor material tested and found negative for HBsAg, HIV antibodies and HCV antibodies.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious

---

**Regulatory** For research purposes only

---

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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)  
'M362529:200514'

**Printed on 19 Jan 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)