

## Datasheet: PHP282

**BATCH NUMBER 164061**

<b>Description:</b>	HUMAN CD66e
<b>Name:</b>	CD66e
<b>Other names:</b>	CEA
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	0.2 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 the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Partially purified protein - liquid
<b>Preparation</b>	PHP282 is partially purified by affinity chromatography from a human colon adenocarcinoma cell line.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Total protein concentration 1.0 mg/ml
<b>External Database Links</b>	<b>UniProt:</b> <a href="http://www.uniprot.org/entry/P06731">P06731</a> <a href="#">Related reagents</a>

**Entrez Gene:**[1048](#) CEACAM5 [Related reagents](#)**Synonyms**

CEA

**Product Information**

CD66e, also known as Carcinoembryonic antigen (CEA), is a surface glycoprotein found in fetal gastrointestinal tissue and associated with various benign and malignant tumours. As it is not usually present in the blood of healthy adults it is often used as a marker for cancer ([Pasanen \*et al.\* 1993](#)).

**References**

1. Yang. C,C, *et al.* (2014) Development of antibody functionalized magnetic nanoparticles for the immunoassay of carcinoembryonic antigen: a feasibility study for clinical use. [J Nanobiotechnology. 12 \(1\): 44.](#)

**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 #10258 available at:  
<https://www.bio-rad-antibodies.com/SDS/PHP282>  
10258

The cell line supernatant was tested and found negative for HIV-1/HIV-2 Ab, HBsAg, HCV Ab, HIV-1 and HCV by Nucleic Acid Test (NAT) per current FDA methods. No test can guarantee a product to be non-infectious. Therefore, all material derived from Human fluids or tissues should be considered as potentially infectious.

**Regulatory**

For research purposes only

**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [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)

'M395790:220519'

**Printed on 29 Aug 2024**