

## Datasheet: AHP767B

**BATCH NUMBER 164703**

<b>Description:</b>	RABBIT ANTI HUMAN EGF:Biotin
<b>Specificity:</b>	EGF
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			0.25 - 1.0ug/ml
Immunoprecipitation			■	
Western Blotting	■			0.1 - 0.2ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.5ml sterile PBS containing 0.1% Bovine Serum Albumin. 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.
<b>Antiserum Preparation</b>	Antisera to human EGF were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml after reconstitution.
<b>Immunogen</b>	Recombinant human EGF ( <a href="#">PHP030A</a> ).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01133</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1950</a>    EGF    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2277623
<b>Specificity</b>	<p><b>Rabbit anti Human EGF</b> recognizes human Epidermal Growth Factor, a potent stimulator and regulator of the proliferation of epidermal and epithelial cells, expressed by a variety of cells.</p> <p>The effects of EGF are initiated through tyrosine kinase activity, following the binding of EGF to the extracellular domain of the ~170 kDa EGF receptor (EGFR), which also binds other EGF-like ligands with high affinity, including TGF-<math>\alpha</math> (transforming growth factor alpha), VGF (vaccinia virus growth factor) and Betacellulin, expressed in the pancreas, small intestine and by certain tumour cells (<a href="#">Seno <i>et al.</i> 1996</a>). Receptor activation through EGF binding triggers several signal transduction pathways, including the JAK/STAT and P13K/AKT pathways.</p>
<b>ELISA</b>	This biotinylated human EGF antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with a <a href="#">purified human EGF antibody</a> (AHP767) as the capture reagent and <a href="#">recombinant human EGF</a> (PHP030A) as the standard.
<b>Western Blotting</b>	Rabbit anti human EGF may be used as in Western Blotting applications under either reducing or non-reducing conditions with <a href="#">recombinant human EGF</a> (PHP030A) as the positive control.
<b>Further Reading</b>	1. Carpenter, G. & Cohen, S. (1990) Epidermal growth factor. <a href="#">J Biol Chem. 265 (14): 7709-12.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP767B">https://www.bio-rad-antibodies.com/SDS/AHP767B</a> 10294
<b>Regulatory</b>	For research purposes only

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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](https://www.bio-rad-antibodies.com/datasheets)

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