

Datasheet: PHP294

<b>Description:</b>	RECOMBINANT HUMAN INTERLEUKIN-17A
<b>Name:</b>	IL-17A
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	0.2 mg

**Product Details**

<b>Applications</b>	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 <a href="http://www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a> .		
	<b>Yes</b>	<b>No</b>	<b>Not Determined</b>
ELISA	•		<b>Suggested Dilution</b>
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 recombinant protein - lyophilized		
<b>Reconstitution</b>	Centrifuge vial prior to reconstitution. Reconstitute to 0.5 mg/ml by adding 0.4 ml ddH <sub>2</sub> O. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Mix gently after reconstitution. Do not vortex.		
<b>Preparation</b>	Recombinant protein expressed in <i>E. coli</i> and purified by affinity chromatography		
<b>Source</b>	<i>E. coli</i>		
<b>Buffer Solution</b>	20 mM Citrate Buffer, pH4.5, 0.1 M Sodium Chloride		
<b>Preservative Stabilisers</b>	1% Trehalose		
<b>Approx. Protein Concentrations</b>	0.5 mg/ml after reconstitution		
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q16552</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3605</a> IL17A <a href="#">Related reagents</a>		
<b>Synonyms</b>	CTLA8, IL17		
<b>Product Information</b>	Recombinant Human Interleukin-17A (IL-17A) is a proinflammatory cytokine produced by activated T lymphocytes. It forms a disulfide-linked homodimer; the monomer subunit is ~15 kDa. Elevated levels of IL-17A are linked with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. This product has been demonstrated for use in a pharmacokinetic antigen capture ELISA with the monoclonal antibody drug secukinumab, using an anti-secukinumab antibody for detection.		
<b>Protein Molecular Weight</b>	Predicted 15 kDa. The apparent molecular mass of the human IL-17A is approximately 15 kDa determined by SDS-PAGE under reducing conditions.		
<b>Purity</b>	≥90% determined by SDS-PAGE under reducing conditions and visualized by coomassie blue staining		
<b>Amino Acid Sequence</b>	GITIPRNP GCPNSEDKNFPRVTVMVNLNIHNRNTNTNPKRSSDYNRSTSPWNLHRNEDPERYPYSVIWEAKCRHLGCINADGNVDYHMNSVPIQQEILVLRREPPHPCNSFRLEKILVSVGCTCVTPIVHHVA		
<b>Storage</b>	Prior to reconstitution store at -70°C. Following reconstitution store at -20°C.  This product should be stored undiluted.  Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein.		
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.		
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20462 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PHP294">https://www.bio-rad-antibodies.com/SDS/PHP294</a> 20462		
<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](http://bio-rad-antibodies.com/datasheets)

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