

Datasheet: PHP294

BATCH NUMBER 100004420

Description:	RECOMBINANT HUMAN INTERLEUKIN-17A
Name:	IL-17A
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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 .			
	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.				
Target Species	Human			
Product Form	Purified recombinant protein - lyophilized			
Reconstitution	Centrifuge vial prior to reconstitution. Reconstitute to 0.5 mg/ml by adding 0.4 ml ddH ₂ 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.			
Preparation	Recombinant protein expressed in <i>E. coli</i> and purified by affinity chromatography			
Buffer Solution	20 mM Citrate Buffer, pH4.5, 0.1 M Sodium Chloride			
Preservative Stabilisers	1% Trehalose			
Approx. Protein Concentrations	0.5 mg/ml after reconstitution			
External Database Links	UniProt: Q16552 Related reagents Entrez Gene: 3605 IL17A Related reagents			
Synonyms	CTLA8, IL17			
Product Information	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.			
Protein Molecular Weight	Predicted 15 kDa. The apparent molecular mass of the human IL-17A is approximately 15 kDa determined by SDS-PAGE under reducing conditions.			
Purity	≥90% determined by SDS-PAGE under reducing conditions and visualized by coomassie blue staining			
Amino Acid Sequence	GITIPRNPGPCNSEDKNFRTVMVNLNHNRRNTNTNPKRSSDYNNRSTSPWNLHRNEDPERYPYVIWEAKCRHLGCINADGNVDYHMSVPIQQLVLRREPPHCPNSFRLEKILVSVGCTCVPIVHHVA			
Storage	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.			
Guarantee	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.			
Health And Safety Information	Material Safety Datasheet documentation #20462 available at: https://www.bio-rad-antibodies.com/SDS/PHP294 20462			
Regulatory	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
M362673:200526*

Printed on 25 Mar 2023