

## Product Datasheet

### IL-17A Antibody (orb345248)

<b>Catalog Number</b>	orb345248
<b>Description</b>	IL-17A antibody
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ELISA, WB
<b>Immunogen</b>	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant rat IL17-A protein.
<b>Preservatives</b>	None
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	1.0 mg/mL
<b>Storage</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Note</b>	For research use only
<b>Application notes</b>	This purified antibody has been tested for use in western blotting. Reactivity is also expected in ELISA, neutralizations, radioimmunoassay and immunohistochemistry. The endotoxin content is estimated to be 10 pg/μl by the LAL method. The recombinant immunogen is a non-glycosylated homodimer joined by disulfide bonds having a molecular mass of 30.0 kDa. By western blot from a reducing gel expect a band approximately 15.0 kDa in size corresponding to rat IL17-A protein in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.

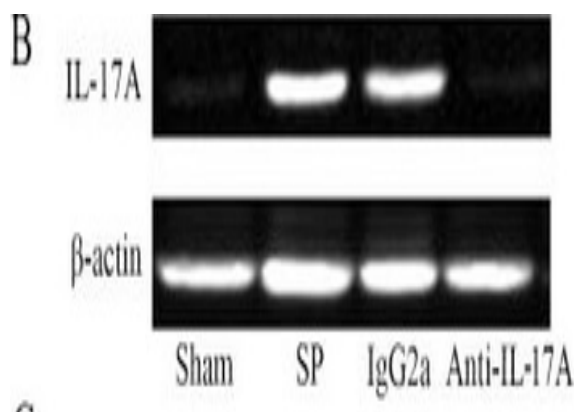
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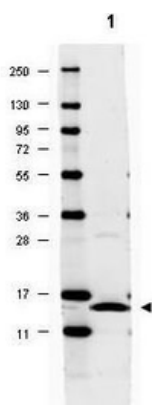
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<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Antibody Type</b>	Primary Antibody
<b>Purity</b>	This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant rat IL17-A in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
<b>Uniprot ID</b>	<b>Q61453</b>
<b>NCBI</b>	<b>Q61453.1</b>
<b>Dilution Range</b>	ELISA: 1:1,000 - 1:5,000, WB: 1:1,000
<b>Expiration Date</b>	12 months from date of receipt.



Expression of atrial fibrillation (AF)-related pro-inflammatory cytokines at 4 days after surgery. (A) Fold mRNA expression of interleukin (IL)-6, IL-1 $\beta$ , transforming growth factor- $\beta$ 1 (TGF- $\beta$ 1) and IL-17A. (B) Protein expression of IL-17A detected by western blot analysis. (C) Quantitative analysis of IL-17A protein expression. \*P 0.05 and \*\*P 0.01 vs. Sham. #P 0.05 and ##P 0.01 vs. IgG2a. Sham, sham-operated rats; SP, rats with sterile pericarditis.



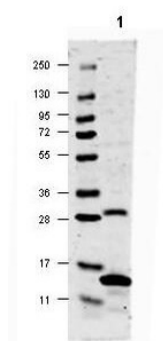
Western blot using Biorbyt's anti-IL-17A antibody shows detection of rat recombinant IL-17A protein (arrowhead, lane 1). Approximately 2  $\mu$ g of recombinant protein was loaded onto the gel. Primary antibody was used at a 1:1000 dilution. The membrane was washed and reacted with a 1:20000 dilution of DyLight™ 649 conjugated Gt-a-Rabbit IgG. Expect ~15kDa, or 30kDa homodimer. Molecular weight estimation was made by comparison to prestained MW markers indicated at the left. Other detection systems will yield similar results.

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Western blot using Biorbyt's anti-IL-17A antibody shows detection of rat recombinant IL-17A protein (lane 1).

Approximately 2 µg of recombinant protein was loaded onto the gel. Primary antibody was used at a 1:1000 dilution. The membrane was washed and reacted with a 1:20000 dilution of DyLight™ 649 conjugated Gt-a-Rabbit IgG. Expect ~15kDa, or 30kDa homodimer. Molecular weight estimation was made by comparison to prestained MW markers indicated at the left. Other detection systems will yield similar results.

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