

## Product Information

<b>Catalog Number:</b>	128-115-230
<b>Product:</b>	R-Phycoerythrin-AffiniPure Goat Anti-Alpaca IgG, VHH domain (minimal cross-reaction to Bovine, Human, Mouse, Rabbit, and Rat Serum Proteins)
<b>Physical State:</b>	Freeze-dried solid
<b>Size:</b>	0.25 ml
<b>Phycobiliprotein Concentration:</b>	0.5 mg/ml (determined by absorption = 82.0 at 566 nm for a 1% solution for only those R-PE molecules to which at least one molecule of active antibody is bound)
<b>Phycoerythrin:</b>	Purified from seaweed Amax = 490 nm; 545 nm; 566 nm; Emax = 580 nm
<b>Suggested Dilution Range:</b>	1:50 - 1:200 for sequential staining applications. To complex with primary antibody in solution, use 3:1 weight ratio of R-PE:primary antibody (approximate 3:1 molar ratio of Fab:primary antibody). Vortex and incubate for 30 minutes at room temperature prior to use. Titrate complex to optimal dilution for assay.
<b>Buffer:</b>	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6
<b>Stabilizer:</b>	15 mg/ml Bovine Serum Albumin (IgG-Free, Protease-Free)
<b>Preservative:</b>	0.05% Sodium Azide
<b>Purity:</b>	The antibody was purified from antisera by immunoaffinity chromatography using antigens coupled to agarose beads.
<b>Antibody Specificity:</b>	Based on antigen-binding assay, Western blot and/or ELISA, the antibody reacts with the VHH domain of heavy chain (HC) alpaca IgG, subclasses 2 and 3; and with the VHH domain of llama IgG, subclasses 2 and 3. No antibody was detected against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with bovine, human, mouse, rabbit, and rat serum proteins, but it may cross-react with immunoglobulins from other species.
<b>Reconstitution and Storage:</b>	Store freeze-dried solid at 2-8°C. Rehydrate with 0.25 ml dH <sub>2</sub> O and centrifuge if not clear. Store at 2-8°C - do not freeze. Prepare working dilution on day of use. Expiration date:six months from date of rehydration. The expiration date may be extended if test results are acceptable for the intended use.
<b>Safety Information:</b>	Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. The antibody contains 0.05% sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion.

**Note:** This information sheet contains general product information only. For detailed lot specific information consult the vial label and the data sheet supplied by the manufacturer upon delivery of the product.

**This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.**

### Manufacturer:

**Jackson ImmunoResearch Laboratories, Inc.**  
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West Grove, PA, USA 19390

### Distribution and Support:

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