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Donkey Anti-Rabbit IgG [H&L] Polyclonal Antibody - PE Conjugated (OARA04554)

Data Sheet

Product Number	OARA04554
Product Page	www.avivasysbio.com/rabbit-igg-h-l-antibody-f-ab-2-pe-conjugated-oara04554.html
Name	Donkey Anti-Rabbit IgG [H&L] Polyclonal Antibody - PE Conjugated (OARA04554)
Molecular Weight	240000
Conjugation	R-PE
Host	Donkey
Clonality	Polyclonal
Concentration	0.5 mg/ml
Product Format	Lyophilized
Description of Target	F(ab') ₂ RABBIT IgG [H&L] Antibody Phycoerythrin conjugated Pre-adsorbed was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab') ₂ fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab') ₂ fragments penetrate into tissue samples and show better antigen recognition and signal generation in IHC. F(ab') ₂ fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab') ₂ RABBIT IgG [H&L] Antibody Phycoerythrin conjugated Pre-adsorbed is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
Reconstitution and Storage	Store vial at 4C prior to restoration. Restore with 1.0 mL of deionized water (or equivalent). Dilute only prior to immediate use. Do not freeze after reconstitution. Store reagent in the dark. This product is stable at 4C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis.
Datasheets/Manuals	Printable datasheet for Donkey Anti-Rabbit IgG [H&L] Polyclonal Antibody - PE Conjugated (OARA04554)
Additional Information	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride; pH 7.2 Color: Red Conjugation Chemistry:SATA/MBS Conjugation Reference: Modified from the method of Carlsson J, Drevin H, and Axen R. Protein thiolation and reversible protein-protein conjugation. Biochem J 173, 723-737 (1978). Emission Wavelength: 575 Excitation Wavelength: 488
Additional Information	Label: R-Phycoerythrin (RPE) Preservative: 0.01% (w/v) Sodium Azide Stabilizer: 10 mg/ml Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Application Info	IF: 1:100 - 1:200 OTHER: FLOW CYTOMETRY 1:100 - 1:200
Immunogen	Fab ₂ Anti-Rabbit IgG was produced by repeated immunization with Rabbit IgG whole molecule in donkey.
Purification	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Donkey Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c) or to Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rat & Sheep Serum Proteins.
Application Data	Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1×10^6 cells in flow cytometry is approximately 1.0ug of antibody conjugate. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications.
Predicted Species Reactivity	Rabbit

Application	FC, IF, IHC-P, WB
Image 1	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two N-termini of the light chains are extended outwards, forming the two antigen-binding arms of the antibody.

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Optimal conditions of its use should be determined by end users.

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