



Sheep Anti-Rabbit IgG Polyclonal antibody [R-PE] (CPBT-67189SR)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Purified Sheep Anti-Rabbit IgG antibody conjugated to R. Phycoerythrin (R-PE) - lyophilized.
Target	Rabbit IgG
Immunogen	Rabbit IgG
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Rabbit
Purification	Affinity chromatography
Conjugate	R-PE
Applications	FC FC: 1:5-1:10 (Use 50 ul of the suggested working dilution to label 10 ⁶ cells in 100 ul.)
Reconstitution	Reconstitute with 1 ml distilled water
Format	Lyophilized
Size	1 ml
Buffer	PBS containing 0.09% Sodium Azide, 1% BSA, 5% Sucrose
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected

from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Ship Ship at ambient temperature

BACKGROUND

Introduction Immunoglobulin G (IgG) is the most abundant antibody isotype in serum, accounting for approximately 75% of total immunoglobulins. It plays a critical role in the adaptive immune response by recognizing and neutralizing pathogens such as bacteria and viruses. IgG is composed of two heavy chains and two light chains forming a Y-shaped structure, with antigen-binding sites at the tips of the arms. It can cross the placenta, providing passive immunity to the fetus, and mediates various immune functions including opsonization, complement activation, and antibody-dependent cellular cytotoxicity (ADCC). Due to its stability and specificity, IgG is widely used in diagnostic assays, therapeutic antibody development, and biomedical research.

Keywords Immunoglobulin G; IgG
