



# Anti-R-Phycoerythrin polyclonal antibody (DPAB-TJ018)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Phycoerythrin (R-PE).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	N/A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA (capture antibody at conc. of 1 mg/ml)
<b>Epitope</b>	Not determined.
<b>Molecular Weight</b>	240 kDa
<b>Positive Control</b>	ELISA using R-PE as antigen coated on ELISA plate at 5 micrograms/ml.
<b>Format</b>	Concentrated antibody or Affinity purified antibody
<b>Concentration</b>	1.0 mg/ml
<b>Size</b>	1 mg
<b>Buffer</b>	Affinity purified antibody is supplied in 10 mM Na PO <sub>4</sub> , 150 mM NaCl, pH 7.4, 0.05% sodium azide at concentration of one mg/ml.
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	2-8°C, this product can be aliquoted and frozen, repeated freezing and thawing should be avoided.

# BACKGROUND

Introduction	Phycoerythrin (R-PE) is a 240 kDa protein from the light-harvesting phycobilliprotein family, present in cyanobacteria, red algae and cryptomonads. Like all phycobilliprotein, phycoerythrin is composed of a protein part, organised in a hexameric structure of alpha and beta chains, covalently binding chromophores called phycobilins. In the phycoerythrin family, the phycobilins are: phycoerythrobilin, the typical phycoerythrin acceptor chromophore, and sometimes phycourobilin (marine organisms). Phycoerythrins are the phycobilliprotein which bind the highest number of phycobilins (up to six per alpha-beta subunit dimer).
Keywords	R-Phycoerythrin; Phycoerythrin; PE