

## Thiophosphate ester Conjugated Antibody

Catalog No: #C49119



Package Size: #C49119-AF350 100ul #C49119-AF405 100ul #C49119-AF488 100ul  
 #C49119-AF555 100ul #C49119-AF594 100ul #C49119-AF647 100ul  
 #C49119-AF680 100ul #C49119-AF750 100ul #C49119-Biotin 100ul

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## Description

Product Name	Thiophosphate ester Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Immunogen Description	Thiophosphate ester linked to KLH
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

A thiophosphate (or phosphorothioate) is a family of compounds and anions with the general chemical formula  $PS_4-xOx_3$  ( $x = 0, 1, 2, \text{ or } 3$ ). The state of protonation is usually not specified. They could be bound to as many as three protons for the neutral  $H_3PS_4-xOx$  species. Two protons correspond to the related monoanions, and one proton for the dianions. The trianions are highly basic and do not exist in appreciable concentrations in solution. Thiophosphates are tetrahedral anions, with the phosphorus at the center of the tetrahedron.

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Note: This product is for in vitro research use only