

ZAP70 Conjugated Antibody

Catalog No: #C49728



Package Size: #C49728-AF350 100ul #C49728-AF405 100ul #C49728-AF488 100ul
 #C49728-AF555 100ul #C49728-AF594 100ul #C49728-AF647 100ul
 #C49728-AF680 100ul #C49728-AF750 100ul #C49728-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	ZAP70 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	70 kDa zeta associated protein antibody 70 kDa zeta-associated protein antibody EC 2.7.10.2 antibody FLJ17670 antibody FLJ17679 antibody Selective T cell defect antibody SRK antibody STD antibody Syk related tyrosine kinase antibody Syk-related tyrosine kinase antibody Truncated ZAP kinase antibody Tyrosine protein kinase ZAP70 antibody Tyrosine-protein kinase ZAP-70 antibody TZK antibody ZAP 70 antibody ZAP70 antibody ZAP70_HUMAN antibody Zeta chain associated protein kinase 70kD antibody Zeta chain associated protein kinase 70kDa antibody Zeta chain associated protein kinase 70kDa isoform 1 antibody Zeta chain associated protein kinase 70kDa isoform 2 antibody Zeta chain of T cell receptor associated protein kinase 70 antibody Zeta chain TCR associated protein kinase 70kD antibody Zeta chain TCR associated protein kinase 70kDa antibody
Accession No.	Swiss-Prot#:P43403
Uniprot	P43403
GeneID	7535;
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
Calculated MW	70 kDa
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

The activation of T lymphocytes by antigens is mediated by the T cell receptor (TCR) which is a multisubunit complex assembled from at least six different genes. The TCR subunits include the Ti α and β chains, the CD3 γ , δ and ϵ chains and a ζ -containing homodimer or heterodimer. The disulfide-linked Ti α - β heterodimer is responsible for antigen recognition, but the short 5 amino acid cytoplasmic domains of Ti α and β are unlikely to be sufficient to couple to intracellular signaling pathways. In contrast, the structured features of the CD3 and ζ subunits suggest a role in signal transduction. Of these, the ζ chain, which is expressed as either a homodimer or heterodimer, has a short extracellular domain of only 9 amino acids, but a larger 113 amino acid cytoplasmic domain. A tyrosine phosphoprotein, ZAP-70, has been identified that associates with ζ and undergoes tyrosine phosphorylation following TCR stimulation.

Note: This product is for in vitro research use only