Caspase-10 Conjugated Antibody

Catalog No: #C49264

Package Size: #C49264-AF350 100ul #C49264-AF405 100ul #C49264-AF488 100ul #C49264-AF555 100ul #C49264-AF594 100ul #C49264-AF647 100ul #C49264-AF680 100ul #C49264-AF750 100ul #C49264-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Caspase-10 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	ALPS2 antibody Apoptotic protease Mch-4 antibody CASP 10 antibody CASP-10 antibody CASP10 antibody CASPA_HUMAN antibody Caspase 10 apoptosis related cysteine peptidase antibody Caspase-10 subunit p12 antibody FADD like ICE2 antibody Fas associated death domain protein antibody FAS-associated death domain protein interleukin-1B-converting enzyme 2 antibody FLICE 2 antibody FLICE2 antibody ICE like apoptotic protease 4 antibody ICE-like apoptotic protease 4 antibody Interleukin 1B converting enzyme 2 antibody MCH 4 antibody
Accession No.	Swiss-Prot#:Q92851
Uniprot	Q92851
GeneID	843;
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	59 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

Caspase-10, also designated Mch4, is recruited to the native TRAIL and CD9 death-inducing signaling complexes (DISCs) by the FADD/Mort1 adaptor protein complex. Caspase-10 requires the assembly of the FADD and DISC complexes for its recruitment and cleavage-induced activation during CD95-induced apoptosis of activated T cells. The N-terminus of caspase-10 contains FADD-like death effector domains further indicating that it associates with FADD to induce apoptosis. Caspase-10 is not required for apoptosis induction and when overexpressed, cannot reverse defects in apoptosis induction caused by caspase-8 deficiency. Granzyme B cleaves procaspase-10 at an IXXD-A processing sequence to produce mature caspase-10. Mutations in the caspase-10 gene in the prodomain, p17 large protease subunit and p12 small protease subunit have been linked to a number of non-Hodgkin lymphomas in humans.

Note: This product is for in vitro research use only