Telomerase reverse transcriptase Conjugated Antibody

Catalog No: #C49336

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Package Size: #C49336-AF350 100ul #C49336-AF405 100ul #C49336-AF488 100ul #C49336-AF555 100ul #C49336-AF594 100ul #C49336-AF647 100ul #C49336-AF680 100ul #C49336-AF750 100ul #C49336-Biotin 100ul

Description

Product Name	Telomerase reverse transcriptase 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	CMM9 antibody DKCA2 antibody DKCB4 antibody EST2 antibody HEST2 antibody htert antibody hTRT antibody PFBMFT1 antibody TCS1 antibody Telomerase associated protein 2 antibody Telomerase catalytic subunit antibody Telomerase reverse transcriptase antibody Telomerase-associated protein 2 antibody Telomere Reverse Transcriptase antibody TERT antibody TERT_HUMAN antibody TP2 antibody TRT antibody
Accession No.	Swiss-Prot#:O14746
Uniprot	O14746
GeneID	7015;
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	127/120/90/89 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

Telomerase is an RNA-dependent DNA polymerase that catalyzes the addition of telomeric repeat sequences to chromosome ends. In most human somatic cells, telomerase activity is undetectable, and telomeres shorten with successive cell divisions. However, telomerase activity is detectable in immortal cells and in many human tumors. Two candidate mammalian telomerase proteins have been cloned. Human TP1 (for telomerase-associated protein 1), also designated TLP1 in rat (for telomerase protein component 1), is homologous to the Tetrahymena p80 telomerase protein and has been shown to interact with mammalian telomerase RNA. Human TERT (for telomerase reverse transcriptase), also designated hEST2 (for ever shorter telomeres), is homologous to the p123 telomerase protein from Euplotes and to the yeast Est2 protein. Expression of TERT mRNA has been shown to correlate with telomerase activity in various cell lines.

Note: This product is for in vitro research use only