

Product datasheet for **TA301588**

Telomerase reverse transcriptase (TERT) Mouse Monoclonal Antibody [Clone ID: 2C4]

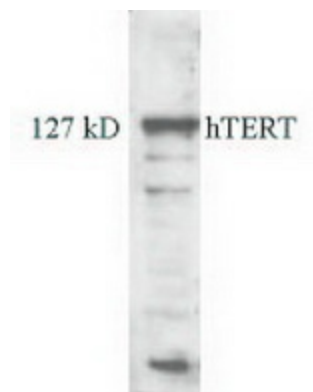
Product data:

Product Type:	Primary Antibodies
Clone Name:	2C4
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB: 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Full-length recombinant hTERT from insect cells.
Formulation:	0.05% sodium azide
Purification:	Ascites
Gene Name:	telomerase reverse transcriptase
Database Link:	NP_937983 Entrez Gene 7015 Human
Background:	Telomeres are nucleoprotein structures at the ends of eukaryotic chromosomes. They regulate several crucial cellular functions and participate in the control of complex phenotypes, such as aging and cancer. Cell immortalization is strongly associated with the stabilization of telomere length. Therefore, it is suggested that cancer cells achieve immortalization in part through illegitimate activation of telomerase expression. hTERT is the rate-limiting catalytic subunit of telomerase. Telomerase is an enzyme uniquely associated with immortal cell lines and is useful for identifying undifferentiated PSCs.
Synonyms:	CMM9; DKCA2; DKCB4; EST2; hEST2; hTERT; PFBMFT1; TCS1; TP2; TRT
Protein Families:	Druggable Genome

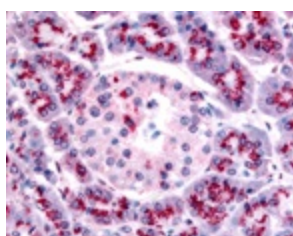


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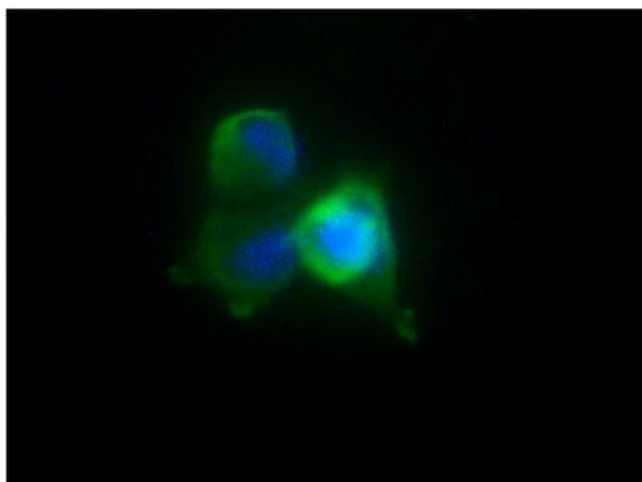
Product images:



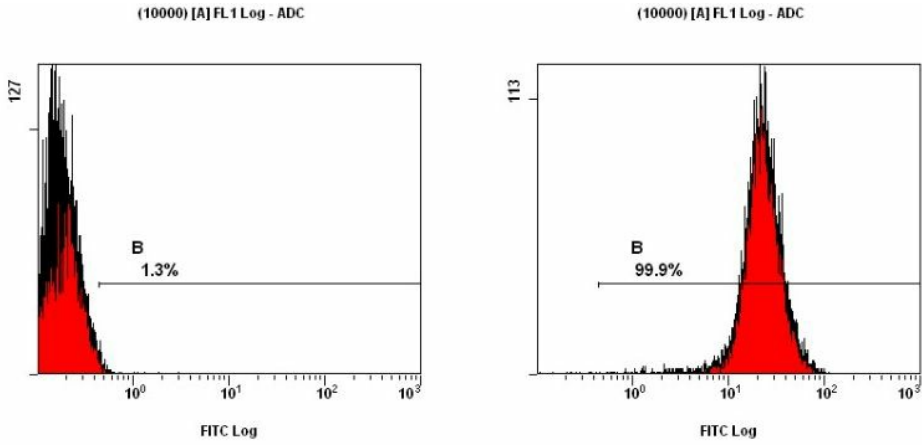
Western Blot analysis of human TERT 1:500 dilution on MJ90 cells



Normal pancreas showing moderate staining of exocrine cells and a subset of islets of Langerhans



Immunocytochemistry/Immunofluorescence:
Telomerase reverse transcriptase Antibody (2C4)
- Detection of Tert (Green) in HepG2 cells. Nuclei (Blue) are counterstained with Hoechst 33258.



Flow Cytometry: Telomerase reverse transcriptase Antibody (2C4) - Staining of NTERA-2 cells at a 1:200 dilution detected using Dylight-488 conjugated goat anti-mouse IgM secondary antibody.