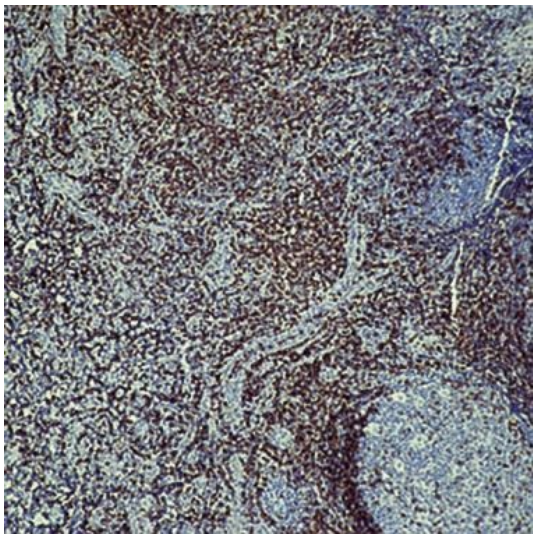




Catalog Number	GTX16669	Package: 500 µl	Reference (2)
Product Name	CD3 antibody [SP7]		
Full Name	CD3d molecule, delta (CD3-TCR complex)		
Synonyms	T3E, 186740, P09693, T3D, 916, CD3-GAMMA, 917, CD3GAMMA, TCRE, P20963, 186830, 186780, P04234, CD3ZETA, CD3H, CD3Q, CD3E, CD3, CD3-DELTA, TCRZ, 919, CD3Z, CD3G, 915, CD3-ZETA, 186790, T3G, CD3D, P07766, CD3DELTA, CD3 ZETA, CD3 GAMMA, CD3 DELTA		
Product Description	Rabbit monoclonal [SP7] to CD3		
Specificity	This antibody is suitable for staining normal and neoplastic T cells in formalin-fixed, paraffin-embedded tissues.		
Background	The protein encoded by this gene is part of the T-cell receptor/CD3 complex (TCR/CD3 complex) and is involved in T-cell development and signal transduction. The encoded membrane protein represents the delta subunit of the CD3 complex, and along with four other CD3 subunits, binds either TCR alpha/beta or TCR gamma/delta to form the TCR/CD3 complex on the surface of T-cells. Defects in this gene are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (SCIDBNK). Two transcript variants encoding different isoforms have been found for this gene. Other variants may also exist, but the full-length nature of their transcripts has yet to be defined. [provided by RefSeq]		
Host	Rabbit		
Clonality	Monoclonal		
Clone Name	SP7		
Isotype	IgG		
Target	CD3		
Immunogen	Synthetic peptide: KAKAKPVTRGAGA, corresponding to amino acids 156-168 of Human CD3 epsilon chain.		
Antigen Species	Human		
Species Reactivity	Human, Mouse, Dog, Monkey, Pig, Rat, Baboon, Cat, Horse, Rabbit, Sheep, Woodchuck		
Applications	FACS, IHC, IHC-P, WB		
Application Note	For IHC-P: Use at a dilution of 1:100. Antigen retrieval is suggested by boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at room temperature for 20 min.		
Positive Controls	Tonsil		
Cellular Localization	Type I membrane protein.		
Form Supplied	Liquid		
Purification	Unpurified		
Purification Note	From hybridoma culture supernatant		
Concentration	Tissue Culture Supernatant		
Storage Buffer	TCS containing 0.1% sodium azide		
Storage Instruction	Keep as concentrated solution, aliquot and store at 4°C. Do not freeze.		
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.		
ResearchArea	<a href="#">Immunology</a> > <a href="#">CD marker</a> <a href="#">Immunology</a> > <a href="#">Hematopoietic stem cell</a> <a href="#">Stem Cell Development</a> > <a href="#">Stem cells</a> > <a href="#">Hematopoietic stem cells</a>		

Application Reference

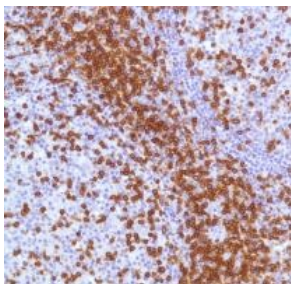
1. Lin YL (2016) *Proc Natl Acad Sci U S A*
2. Swindell WR (2013) *Sci Rep* 1215



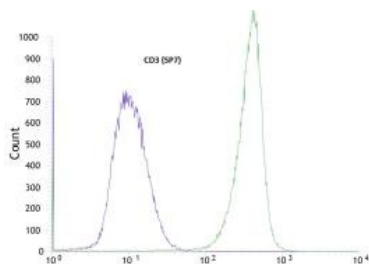
**GTx16669 IHC-P Image**  
Formalin fixed paraffin embedded human tonsil stained with CD3antibody (GTx16669)



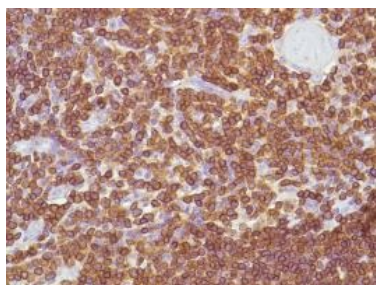
**GTx16669 WB Image**  
Western Blot analysis of Jurkat cell lysate with CD3 antibody



**GTx16669 IHC Image**  
Human Tonsil stained with anti-CD3 antibody

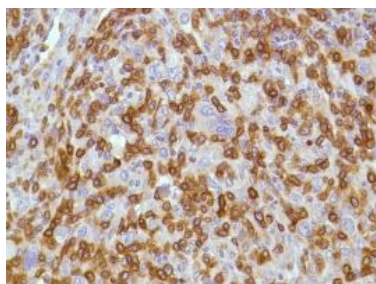


**GTx16669 FACS Image**  
Flow cytometric analysis of rabbit anti-CD3 (SP7) antibody in Jurkat (green) compare to negative control of rabbit IgG (blue)



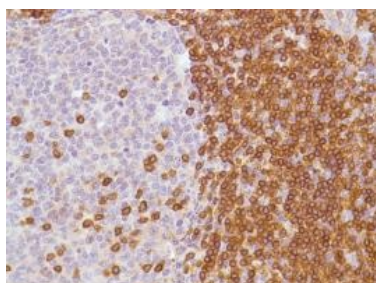
**GTX16669 IHC Image**

Human Thymus stained with anti-CD3 antibody



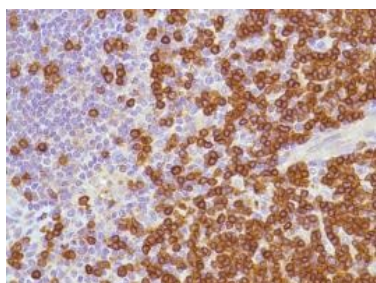
**GTX16669 IHC Image**

Human HK Lymphoma stained with anti-CD3 antibody



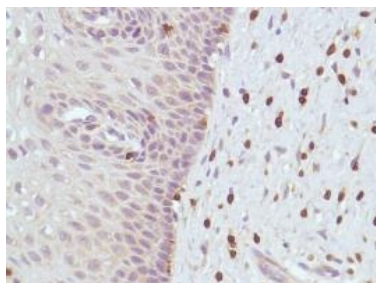
**GTX16669 IHC Image**

Human Tonsil stained with anti-CD3 antibody



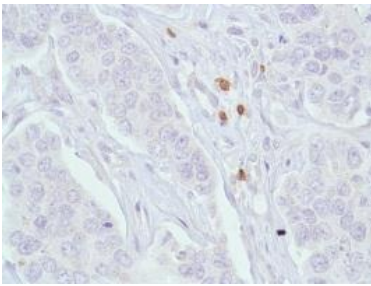
**GTX16669 IHC Image**

Human Reactive Lymph Node stained with anti-CD3 antibody

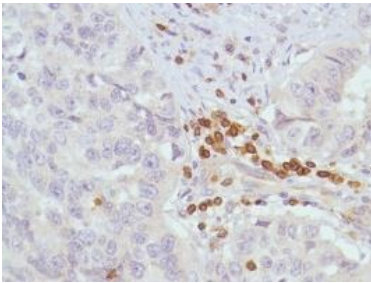


**GTX16669 IHC Image**

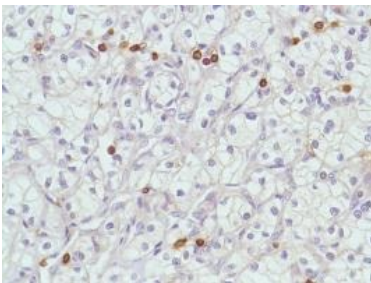
Human Cervix stained with anti-CD3 antibody



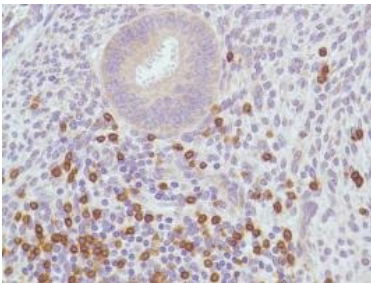
**GTX16669 IHC Image**  
 Human Breast Ductal Carcinoma stained with anti-CD3 antibody



**GTX16669 IHC Image**  
 Human Lung Squamous Cell Carcinoma stained with anti-CD3 antibody



**GTX16669 IHC Image**  
 Human Renal Cell Carcinoma stained with anti-CD3 antibody



**GTX16669 IHC Image**  
 Human Uterus stained with anti-CD3 antibody