

## Product datasheet for **TA385979**

### CD30 (TNFRSF8) Rabbit Monoclonal Antibody [Clone ID: Ki-3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Ki-3
Applications:	ELISA, FC, IF, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	Human CD30.
Specificity:	The antibody binds to CD30.

The antibody binds specifically to CD30, a cell membrane protein which belongs to the tumour necrosis factor receptor family. Incubation of CD30 positive L540 cells with Ki-3 antibody weakly enhances release of soluble CD30 (in contrast to Ki-4, Ab00475). CD30 is expressed on activated lymphocytes, and binding by its ligands TRAF2 and TRAF5 results in the activation of NF-kappaB, thereby regulating gene expression. CD30 is also associated with Hodgkin Lymphoma, and its expression acts as a tumour marker. Targeting the CD30 antigen with specific monoclonal antibodies is a possible therapy for Hodgkin's lymphoma.

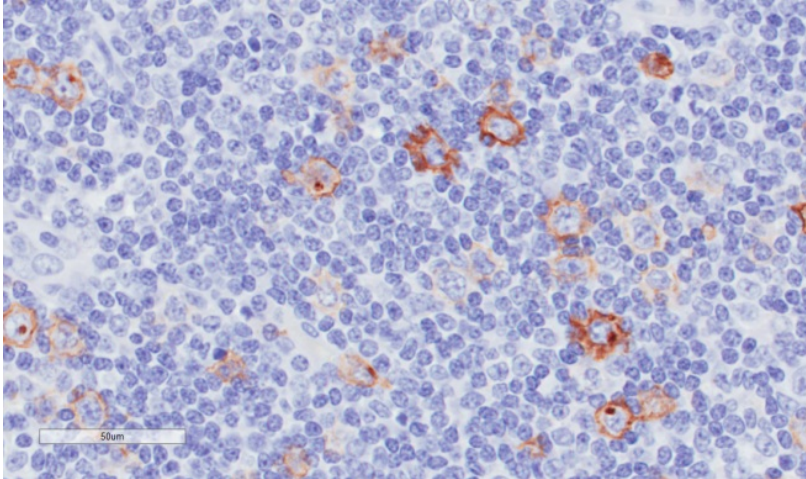
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	tumor necrosis factor receptor superfamily member 8
Database Link:	<a href="#">Entrez Gene 943 Human P28908</a>
Synonyms:	CD30; D1S166E; KI-1



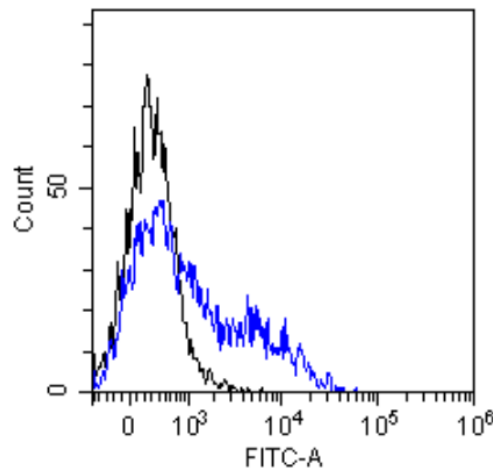
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**Note:** This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

### Product images:



Immunohistochemical staining of human tonsil tissue using anti-CD30 antibody (TA385979) Ki-3. Anti-CD30 staining of paraffin embedded human tonsil tissue using the rabbit-chimeric version of Ki-3 (TA385979). Antigen retrieval was achieved by microwaving in citrate buffer (pH6), followed by blocking with protein block serum-free buffer. Primary antibody incubation with TA385979 was carried out at 4 µg/ml for 30 minutes. Samples were then incubated with an anti-rabbit IgG HRP secondary antibody for 20 mins followed by DAB (3,3'-diaminobenzidine), and counter-staining with haematoxylin. Staining of the cellular membrane of dividing cells may be observed. Recommended concentration, 2-4 µg/ml.



Flow-cytometry using the anti-CD30 (Tumor necrosis factor receptor superfamily member 8) antibody Ki-3 (TA385979). Jurkat cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of Ki-3 (TA385979, blue line) at a concentration of 10 µg/ml for 30 mins at RT. After washing, bound antibody was detected using an anti-rabbit IgG JK (FITC-conjugate) antibody at 2 µg/ml and cells analyzed on a FACSCanto flow-cytometer.