

# Product Datasheet

## CD30/TNFRSF8 Antibody (Ki-3) - Chimeric - Azide and BSA Free

**NBP2-52682-0.2mg**

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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CD30/TNFRSF8 Antibody (Ki-3) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	Ki-3
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

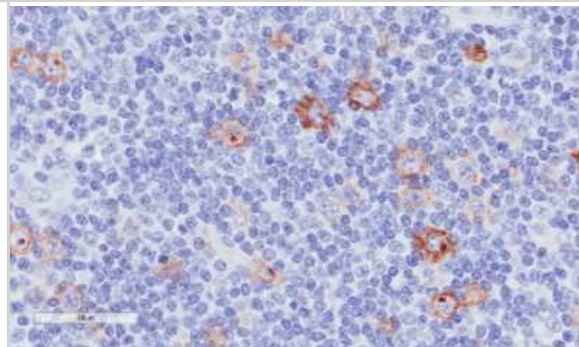
Product Description	
Host	Rabbit
Gene ID	943
Gene Symbol	TNFRSF8
Species	Human
Specificity/Sensitivity	The antibody binds to CD30.
Immunogen	Human CD30.

Product Application Details	
Applications	ELISA, Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1:10 - 1:1000, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence, Functional, CyTOF-ready
Application Notes	This antibody is Cytof ready. 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. The antibody binds specifically to CD30/TNFRSF8 a cell membrane protein which belongs to the tumour necrosis factor receptor family. Incubation of CD30/TNFRSF8 positive L540 cells with Ki-3 antibody weakly enhances release of soluble CD30/TNFRSF8 (in contrast to Ki-4, NBP2-52714). CD30/TNFRSF8 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/TNFRSF8 is also associated with Hodgkin Lymphoma, and its expression acts as a tumour marker. Targeting the CD30/TNFRSF8 antigen with specific monoclonal antibodies is a possible therapy for Hodgkin's lymphoma.

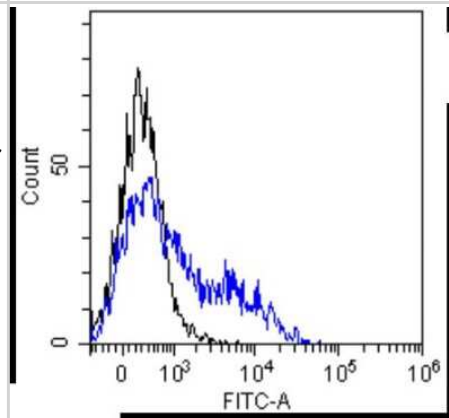


## Images

**Immunohistochemistry: CD30/TNFRSF8 Antibody (Ki-3) - Chimeric [NBP2-52682]** - Immunohistochemical staining of human tonsil tissue using anti-CD30 antibody. Ki-3 Anti-CD30 staining of paraffin embedded human tonsil tissue using the rabbit-chimeric version of Ki-3 (NBP2-52682). Antigen retrieval was achieved by microwaving in citrate buffer, followed by blocking with protein block serum-free buffer. Primary antibody incubation with NBP2-52682 was carried out at 4 ug/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 ug/ml.



**Flow Cytometry: CD30/TNFRSF8 Antibody (Ki-3) - Chimeric [NBP2-52682]** - Flow-cytometry using the anti-CD30 (Tumor necrosis factor receptor superfamily member 8) antibody Ki-3. Jurkat cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of Ki-3 (NBP2-52682, blue line) at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using an anti-rabbit IgG JK (FITC-conjugate) antibody at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.



## Publications

Sato K, Kozako T, Nakano A et al. Extracellular CD30 and ADAM10/17 regulate brentuximab vedotin-induced cell death in an adult T-cell leukemia cell line Research Square 2023-11-20 (ELISA, Human)



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### Products Related to NBP2-52682-0.2mg

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-22660	Recombinant Human CD30/TNFRSF8 His Protein
210-TA-005	TNF-alpha [Unconjugated]

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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