Anti-CD30 [Ki-3] Standard Size Ab00474-23.0

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.

Isotype and Format: Rabbit IgG, Kappa
Clone Number: Ki-3
Alternative Name(s) of Target: TNFRSF8; Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Ki-1 antigen; Lymphocyte activation antigen CD30
UniProt Accession Number of Target Protein: P28908
Published Application(s): Activate, ELISA, FC, IF, IHC
Published Species Reactivity: Human
Immunogen: Human CD30.
Specificity: The antibody binds to CD30.
Application Notes: 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.
Antibody First Published in: Horn-Lohrens O, Tiemann M, Lange H, Kobarg J, Hafner M, Hansen H, Sterry W, Parwaresch RM, Lemke H. Shedding of the soluble form of CD30 from the Hodgkin-analogous cell line L540 is strongly inhibited by a new CD30-specific antibody (Ki-4). Int J Cancer. 1995 Feb 8;60(4):539-44. PMID:7530238
Note on publication: Describes the role of CD30 in the detection of Hodgkin lymphoma, and the production of monoclonal antibodies to inhibit the formation of soluble CD30 and thereby allow the production of immunotoxins.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In:

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PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

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