

Mouse CD30/TNFRSF8 Monoclonal Antibody | anti-CD30 antibody

CD30/TNFRSF8 (Hodgkin & Reed-Sternberg Cell Marker)

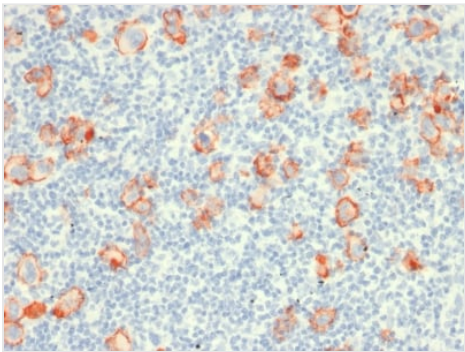
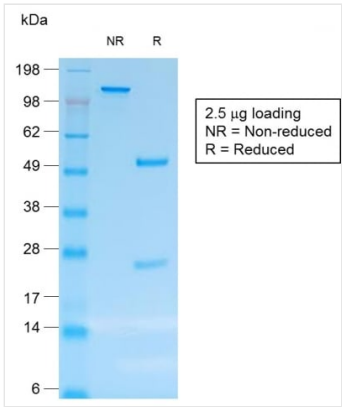
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214594	Mouse	Human. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD30/TNFRSF8; Monoclonal Antibody; CD30/TNFRSF8 (Hodgkin & Reed-Sternberg Cell Marker); CD30L receptor; Cytokine receptor CD30; Ki-1 antigen; Lymphocyte activation antigen CD30; Tumor necrosis factor receptor superfamily member 8 (TNFRSF8); anti-CD30 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	rCD30/412
Specificity	Recognizes a single chain glycoprotein of 105/120kDa, identified as CD30/Ki-1. CD30 is synthesized as a 90kDa precursor, which is processed in the Golgi complex into a membrane-bound phosphorylated mature 105/120kDa glycoprotein. In Hodgkins disease, CD30/Ki-1 antigen is expressed by mononuclear-Hodgkin and multinucleated Reed-Sternberg cells. It is also expressed by the tumor cells of a majority of anaplastic large cell lymphomas as well as by a varying proportion of activated T and B cells. This MAb distinguishes large cell lymphomas derived from activated lymphoid cells from histiocytic malignancies and lymphomas derived from resting and precursor lymphoid cells or from anaplastic carcinomas. About one third of the Ki-1 positive lymphomas lack the leukocyte common antigen (CD45).
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	595
Applicable Applications for anti-CD30 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human CD30 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	1p36.22
Positive Control	Hodgkins lymphoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Hodgkin's lymphoma stained with CD30 Mouse Recombinant Monoclonal Antibody (rCD30/412).

SDS-PAGE
SDS-PAGE Analysis of Purified CD30 Mouse Recombinant Monoclonal Antibody (rCD30/412).

ADDITIONAL INFORMATION

References	Smith, C.A., et al. 1993. CD30 antigen, a marker for Hodgkins lymphoma, is a receptor whose ligand defines an emerging family of cytokines with homology to TNF. Cell 73: 1349-1360.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	597709795
NCBI GeneID	943
NCBI Accession #	NP_001234.3
NCBI GenBank Nucleotide #	NM_001243.4
UniProt Accession #	P28908; Q6P4D9; B1AN79; B9EGD9; D3YTD8
Molecular Weight	105-120kDa
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 8 isoform 1
NCBI Official Synonym Full Names	TNF receptor superfamily member 8
NCBI Official Symbol	TNFRSF8
NCBI Official Synonym Symbols	CD30; Ki-1; D1S166E
NCBI Protein Information	tumor necrosis factor receptor superfamily member 8
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 8
UniProt Gene Name	TNFRSF8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.