

CD30 Monoclonal Antibody (Ber-H2)

Catalog Number      MA1-26282

Product data sheet

Details		Species Reactivity	
Size	6 mL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Human
Class	Monoclonal	Tested Applications      Dilution *	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Clone	Ber-H2	Published Applications	
Immunogen	Co cell line established from a patient with Hodgkins disease of T-cell lineage.	Immunohistochemistry (IHC)	See 8 publications below
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	Not Determined		
Storage buffer	tissue culture supernatant		
Contains	0.05% sodium azide		
Storage Conditions	4° C, do not freeze		

Product specific information

MA1-26282 detects CD30 from human samples.

Background/Target Information

CD30 (Ki-1, TNF Receptor Superfamily Member 8) is a type I transmembrane glycoprotein of the TNF receptor superfamily. CD30 was originally identified as a cell surface antigen of Hodgkins and Reed-Sternberg cells using monoclonal antibody Ki-1. The ligand for CD30 is CD30L (CD153). The binding of CD30 to CD30L mediates pleiotropic effects including cell proliferation, activation, differentiation, and apoptotic cell death. CD30 has a critical role in the pathophysiology of Hodgkin's disease and other CD30+ lymphomas. CD30 acts as a costimulatory molecule in thymic negative selection. In addition to its expression on Hodgkin's and Reed-Sternberg cells, CD30 is also found in some non-Hodgkin's lymphomas (including Burkitt's lymphomas), virus-infected T and B cells, and on normal T and B cells after activation. In T cells, CD30 expression is present on a subset of T cells that produce Th2-type cytokines and on CD4+/CD8+ thymocytes that co-express CD45RO and the IL4 receptor. Soluble form of CD30 (sCD30) serves as a marker reflecting Th2 immune response. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. CD30 is a positive regulator of apoptosis, and has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. CD30 is expressed by mononuclear cells in Hodgkin's lymphoma, Reed Sternberg cells and most Anaplastic Large Cell Lymphomas (ALCL). CD30 is also expressed by embryonal carcinomas.

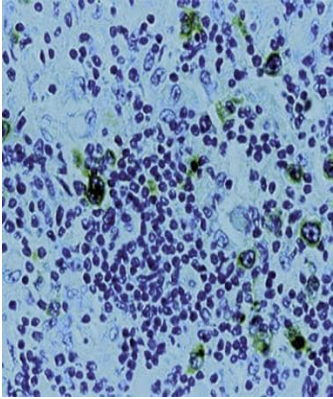
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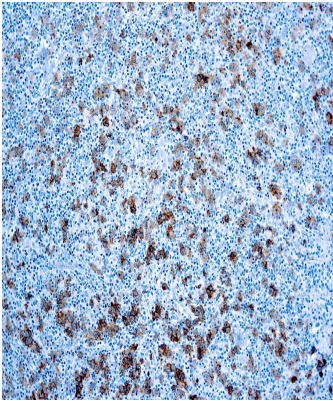
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Product Images For CD30 Monoclonal Antibody (Ber-H2)



**CD30 Antibody (MA1-26282) in IHC (P)**  
Immunohistochemistry (Paraffin) analysis of CD30 was performed in formalin-fixed, paraffin-embedded human Hodgkin lymphoma tissue using CD30 Monoclonal Antibody (Ber-H2) (Product # MA1-26282).



**CD30 Antibody (MA1-26282) in IHC (P)**  
Immunohistochemical (Paraffin) analysis of human Hodgkin's lymphoma tissue using (Product # MA1-26282) CD30 Monoclonal Antibody (Ber-H2).

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PubMed References For CD30 Monoclonal Antibody (Ber-H2)

8 Immunohistochemistry References

Species / Dilution	Summary
Human / 1:100	MA1-26282 was used in immunohistochemistry to present a case report of an unusual composite lymphoma in the mediastinum
	Diagnostic pathology ( 2011; 6: ) <b>"Composite lymphoma in the anterior mediastinum: a case report and review of the literature."</b> Author(s):Yu G,Kong L,Qu G,Zhang Q,Wang W,Jiang L PubMed Article URL: <a href="http://dx.doi.org/10.1186/1746-1596-6-60">http://dx.doi.org/10.1186/1746-1596-6-60</a>
Human / 1:50	MA1-26282 was used in immunohistochemistry to report on a case of CD30-positive extranodal natural killer/T-cell lymphoma
	Oncology letters ( 2014; 7: 1419) <b>"CD30&lt;sup&gt;+&lt;/sup&gt; extranodal natural killer/T-cell lymphoma mimicking phlegmonous myositis: A case report."</b> Author(s):Yang YJ,Li YX,Liu YB,Yang M,Liu K PubMed Article URL: <a href="http://dx.doi.org/10.3892/ol.2014.1924">http://dx.doi.org/10.3892/ol.2014.1924</a>
Human / Not Cited	MA1-26282 was used in immunohistochemistry to investigate the diagnosis of lymphoid neoplasmas through bone marrow trephine biopsies
	Romanian journal of morphology and embryology = Revue roumaine de morphologie et embryologie ( 2009; 50: 399) <b>"Diagnostic and differential diagnostic criteria of lymphoid neoplasms in bone marrow trephine biopsies: a study of 87 cases."</b> Author(s):Horváth E,Mezei T,Pávai Z,Turcu M,Demian S,Tóth E,Chira L,Jung I PubMed Article URL: <a href="http://www.ncbi.nlm.nih.gov/pubmed/19690765">http://www.ncbi.nlm.nih.gov/pubmed/19690765</a>
Human / Not Cited	MA1-26282 was used in immunohistochemistry to investigate Intracellular distribution of activation-induced cytidine deaminase in extrafollicular and germinal center B cells
	Blood ( 2006; 107: 3967) <b>"Nuclear and cytoplasmic AID in extrafollicular and germinal center B cells."</b> Author(s):Cattoretti G,Büttner M,Shaknovich R,Kremmer E,Alobeid B,Niedobitek G PubMed Article URL: <a href="http://dx.doi.org/10.1182/blood-2005-10-4170">http://dx.doi.org/10.1182/blood-2005-10-4170</a>
Human / 1:40	MA1-26282 was used in immunohistochemistry to study the pathogenic mechanisms of pulmonary inflammatory myofibroblastic tumor
	Lung cancer (Amsterdam, Netherlands) ( 2010; 70: 152) <b>"Copy number alterations and expression profiles of candidate genes in a pulmonary inflammatory myofibroblastic tumor."</b> Author(s):Jung SH,Yim SH,Hu HJ,Jung CK,Lee SH,Kim DH,Chung YJ PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.lungcan.2010.01.019">http://dx.doi.org/10.1016/j.lungcan.2010.01.019</a>
Human / Not Cited	MA1-26282 was used in immunohistochemistry to report on a case of inflammatory pseudotumor of the spleen involving EBV infection
	European journal of haematology ( 2004; 72: 285) <b>"Inflammatory pseudotumor of the spleen with EBV positivity: report of a case."</b> Author(s):Oz Puyan F,Bilgi S,Unlu E,Yalcin O,Altaner S,Demir M,Cakir B PubMed Article URL: <a href="http://dx.doi.org/10.1111/j.0902-4441.2003.00208.x">http://dx.doi.org/10.1111/j.0902-4441.2003.00208.x</a>
Human / 1:50	MA1-26282 was used in immunohistochemistry to study the potential association of a range of factors with nasal type cutaneous extranodal natural killer/T-cell lymphoma
	Chinese medical journal ( 2013; 126: 1281) <b>"Clinicopathology, immunophenotype, T cell receptor gene rearrangement, Epstein-Barr virus status and p53 gene mutation of cutaneous extranodal NK/T-cell lymphoma, nasal-type."</b> Author(s):Wang TT,Xu C,Liu SL,Kan B,Ran YP,Liu WP,Li GD,Wang L PubMed Article URL: <a href="http://www.ncbi.nlm.nih.gov/pubmed/23557559">http://www.ncbi.nlm.nih.gov/pubmed/23557559</a>
Human / 1 µg/mL	MA1-26282 was used in immunohistochemistry to study the role of PRDM1/Blimp-1 in human B-lymphocyte differentiation
	The Journal of pathology ( 2005; 206: 76) <b>"PRDM1/Blimp-1 is expressed in human B-lymphocytes committed to the plasma cell lineage."</b> Author(s):Cattoretti G,Angelin-Duclos C,Shaknovich R,Zhou H,Wang D,Alobeid B PubMed Article URL: <a href="http://dx.doi.org/10.1002/path.1752">http://dx.doi.org/10.1002/path.1752</a>

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