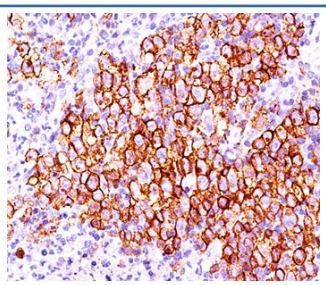
CD30 Antibody [clone CD30/412] (V2058)

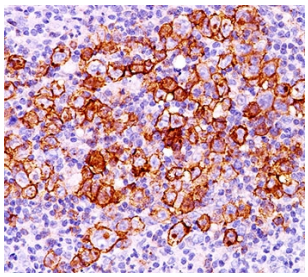
Catalog No.	Formulation	Size
V2058-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2058-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2058SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2058IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CD30/412
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	943
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This **CD30 antibody** is available for research use only.



IHC testing of Hodgkin's lymphoma (20X) stained with CD30 antibody (CD30/412).



IHC testing of Hodgkin's lymphoma (20X) stained with CD30 antibody (CD30/412).

Description

The antibody 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 HodgkinÂ's disease, CD30 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 antibody 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 CD30 positive lymphomas lack the leukocyte common antigen (CD45).

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD30 antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human CD30 recombinant protein was used as the immungen for this antibody.

Storage

Store the CD30 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)