Overview

Product name
Anti-CD30 antibody [Ber-H2], prediluted

Description
Mouse monoclonal [Ber-H2] to CD30, prediluted

Host species
Mouse

Specificity
This antibody reacts with mononuclear cells in Hodgkin lymphoma, Reed-Sternberg cells and most anaplastic large cell lymphomas. It stains large cells localized around the B cell in the lymphoid tissues. This antibody stains the cell surface and the golgi region in the cells.

Tested applications
Suitable for: IHC-P, IHC-Fr

Species reactivity
Reacts with: Human

Immunogen
BALB/C mice were injected with L428 cell line cells.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Store at +4°C. Do Not Freeze.

Storage buffer
Preservative: 0.05% Sodium azide

Clonality
Monoclonal

Clone number
Ber-H2

Myeloma
unknown

Isotype
IgG1

Light chain type
kappa

Applications

Our Abpromise guarantee covers the use of ab871 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Application notes

This antibody has been pre-titrated and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required. We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. Enzymatic predigestion with proteolytic enzymes may increase staining intensity. Although not required, microwave treatment will considerably enhance the signal.

Target

Function
Receptor for TNFSF8/CD30L. May play a role in the regulation of cellular growth and transformation of activated lymphoblasts. Regulates gene expression through activation of NF-kappa-B.

Sequence similarities
Contains 6 TNFR-Cys repeats.

Post-translational modifications
Phosphorylated on serine and tyrosine residues.

Cellular localization
Cytoplasm and Cell membrane.

Images

IHC image of ab871 staining in Hodgkin lymphoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab871, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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