

**anti-human CD30 purified****Cat-No.: H12428****0.1 mg****Clone:** HSR-4**Specificity:**

This clone has been derived from hybridization of X63.AG8.653 cells with spleen cells of a BALB/c mouse immunized with the Hodgkin lymphoma cell line L540. This antibody has been clustered to CD30 in one of the international Workshop on Human White Cell differentiation Antigens. The monoclonal antibody is directed against the CD30-antigen, which is expressed on a subpopulation of activated B- and T-cells. The antigen is not expressed on cells of peripheral blood and bone marrow, it may be expressed on lectin stimulated PBL and on T-cells stimulated in a mixed lymphocyte culture. Immunostaining on paraffin tissues has indicated that the monoclonal antibody does not react with normal human tissues, with the exception of a small subpopulation of large cells predominantly located in the interfollicular areas of normal lymphoid tissues and on the acini of pancreas in human. In pathological tissues the monoclonal antibody reacts with Reed Sternberg cells in lymph nodes infiltrated by Hodgkin lymphoma of all histological subtypes and also with neoplastic cells of all large cell anaplastic lymphomas (Ki1 lymphomas).

**Isotype subclass:** Mouse IgG1**Form:** Ascites fluid.**Physical state:** Liquid**Buffer/Additives/Preservative:**

PBS containing 15 mM sodium azide, pH 7.4

**Expiration date:**

The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:**

Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Application:** Diagnosis of Hodgkin and large cell anaplastic lymphomas.

Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy (procedure 1). Indirect immunohistochemistry by staining on frozen sections as well as on paraffin sections (using classical methods). The antibody is suitable for immunoprecipitation techniques.

**References:**

- 1.Pfreundschuh, M., Mommertz, E., Meissner, M. et al. Anticancer Research., 8, 217-224, (1988).
- 2.Carde, P., Manil, L., Pfreundshuh, M. et al, Proc. 3rd Int. Conference on Malignant Lymphoma Lugano, 1-35, (1989).
- 3.Carde, P., Costa, I., Pfreundschuh, M. et al., Proc. Am. Assoc. Clinical Oncology 8, 942, (1988).

**Warning:**

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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