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## 30-1073: Anti-CD30 Monoclonal Antibody (Clone:Ber-H8)

Clonality: Monoclonal **Clone Name:** Ber-H8 **FACS** Application: Reactivity: Human Gene: **TNFRSF8** Gene ID: 943 **Uniprot ID:** P28908 **Purified** Format:

Alternative Name: TNFRSF8,CD30,D1S166E

**Isotype:** Mouse IgG1

## **Description**

CD30 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.

## **Product Info**

Amount: 0.1 mg

**Purification :** Purified by protein-A affinity chromatography

Content: 1mg/ml, Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

**Storage condition :** Store at 2-8°C. Do not freeze.

## **Application Note**

Flow cytometry: Recommended dilution: 1-4 µg/ml.

Immunohistochemistry: Recommended dilution: 5-10 μg/ml.



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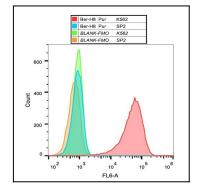


Figure 1: Flow cytometry analysis of K562 cells with anti-human CD30 purified, GAM APC.