

30-1315: Anti-CD30 / Ki-1 Monoclonal Antibody (Clone:MEM-268)

Clonality :	Monoclonal
Clone Name :	MEM-268
Application :	IHC,FACS
Reactivity :	Human
Gene :	TNFRSF8
Gene ID :	943
Uniprot ID :	P28908
Format :	Purified
Alternative Name :	TNFRSF8,CD30,D1S166E
Isotype :	Mouse IgG
Immunogen Information :	Expression vector containing CD30 cDNA (booster suspension of THP-1 cell line)

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: 5 µg/ml.

Immunohistochemistry (paraffin sections): Recommended dilution: 5 µg/ml, positive tissue: thymus.

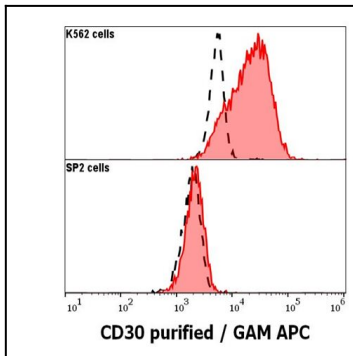


Figure 1: Anti-human CD30 purified antibody (clone MEM-268) specificity verification by flow cytometry