Anti-Human CD30 / TNFRSF8
Antibody
Catalog Number: 10777-MM05

**General Information**

<table>
<thead>
<tr>
<th><strong>Immunogen:</strong></th>
<th>Recombinant Human CD30 / TNFRSF8 protein (Catalog#10777-H08H)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>Human CD30 / TNFRSF8</td>
</tr>
<tr>
<td><strong>Clone ID:</strong></td>
<td>05</td>
</tr>
<tr>
<td><strong>Ig Type:</strong></td>
<td>Mouse IgG1</td>
</tr>
<tr>
<td><strong>Applications:</strong></td>
<td>Flow Cytometry</td>
</tr>
<tr>
<td><strong>Formulation:</strong></td>
<td>0.2 μm filtered solution in PBS</td>
</tr>
<tr>
<td><strong>Storage:</strong></td>
<td>&lt; -20°C</td>
</tr>
</tbody>
</table>

**Preparation**

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD30 / TNFRSF8 (rh CD30 / TNFRSF8; Catalog#10777-H08H; NP_001234.2; Met1-Lys379). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

**Specificity**

Human CD30 / TNFRSF8

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

**Background**

CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor (TNFR) superfamily. CD30 protein is expressed by activated, but not resting, T and B cells. CD30 can regulate proliferation of lymphocytes and may also play an important role in human immunodeficiency virus replication. As a regulator of apoptosis, CD30 protein induces cell death or proliferation, depending on the cell type, and has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. CD30 protein expression is upregulated in various hematological malignancies, including Reed-Sternberg cells in Hodgkin's disease (HD), anaplastic large cell lymphoma (ALCL) and subsets of Non-Hodgkin's lymphomas (NHLs), and CD30 is also linked to leukocytes in patients with chronic inflammatory diseases, including lupus erythematosus, asthma, rheumatoid arthritis and atopic dermatitis (AD).

**Reference**


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Applications
Flow Cytometry –

FCM: 0.5-2 μg/Test

Flow cytometric analysis of Human TNFRSF8(CD30) expression on K562 cells. Cells were stained with purified anti-Human TNFRSF8(CD30), then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system. Please refer to www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html for technical protocols.