Mouse CD30 / TNFRSF8 Protein (ECD, Fc Tag)

Catalog Number: 58109-M02H

General Information

**Gene Name Synonym:** Cd30; D1S166E; Ki; Ki-1

**Protein Construction:**
A DNA sequence encoding the mouse TNFRSF8 (NP_033427.1) (Met1-Thr258) was expressed with the Fc region of human IgG1 at the C-terminus.

**Source:** Mouse

**Expression Host:** HEK293 Cells

**QC Testing**

**Purity:** > 95% as determined by SDS-PAGE.

**Endotoxin:**
< 1.0 EU per μg protein as determined by the LAL method.

**Predicted N terminal:** Phe 19

**Molecular Mass:**
The recombinant mouse TNFRSF8 consists of 478 amino acids and predicts a molecular mass of 51.92 kDa.

**Formulation:**
Lyophilized from sterile PBS, pH 7.4.
Normally 5% - 8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

**Stability & Storage:**
Samples are stable for twelve months from date of receipt at -20°C to -80°C.

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

**Reconstitution:**
Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:

![SDS-PAGE Image]

Protein Description

CD3, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor (TNFR) superfamily. CD3 protein is expressed by activated, but not resting, T and B cells. CD3 can regulate proliferation of lymphocytes and may also play an important role in human immunodeficiency virus replication. As a regulator of apoptosis, CD3 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. CD3 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 CD3 is also linked to leukocytes in patients with chronic inflammatory diseases, including lupus erythematosus, asthma, rheumatoid arthritis and atopic dermatitis (AD).

References