

## Recombinant Human CD30L / CD30 Ligand,

### Animal Free & Carrier Free

Cat #: C-CYP224

Size: 5µg, 20µg, 100µg, 500µg, 1mg

Shipping: Blue Ice

### Product Overview

CD30L is a member of the TNF superfamily, and is a type-II membrane-associated glycoprotein. It is primarily expressed on certain B cells, T cells, and monocytes. In lymphomas and various chronically inflamed tissues, CD30L can specifically bind to CD30 (receptor), which is expressed on activated, but not resting, B and T cells. CD30L can interact with CD30 to start a signaling cascade that can finally lead to the activation of NF-κB. CD30L/CD30 signaling applies pleiotropic effects on normal cells, for example: cell death, differentiation, and cell division. CD30L/CD30 signaling can also affect some kinds of diseases, like Hodgkin's lymphoma, allergic inflammation, diabetes and mycobacterial infection.

### Product Information

**Source:** *Escherichia Coli*.

**Purity:** >98% as determined by SDS-PAGE. Ni-NTA chromatography.

**Biological Activity:** Measure by its ability to induce IL-8 secretion in human PBMCs using a concentration range of 10 - 100 ng/ mL. Note: Results may vary from different PBMC donors.

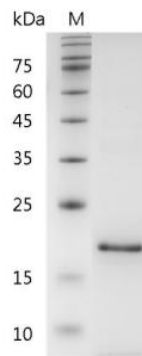
**Endotoxin:** <0.01EU per 1µg of the protein by the LAL method.

**Amino acid sequence:**

MQRTDSIPNSPDNVPLKGGNCSEDLILKRAPFKKSWAYLQVAKHLNKTLSWNKDGILHGVRVYQDGNLVIQFPGLYFIICQLQFLVQCPN  
NSVDLKLELLINKHIKKQALVTVCESGMQTKHVYQNLSQLLDYLVQNTTISVNVDTFQYIDTSTFPLENVLSIFLYNSD with

polyhistidine tag at the C-terminus.

**Formulation:** Lyophilized from a sterile filtered aqueous solution in 1×PBS, pH 7.4.



SDS-PAGE analysis of recombinant human CD30L

## Usage Method

1. Before opening, it is recommended to centrifuge at 3000-3500 rpm for 5 minutes.
2. Reconstitute to a concentration of 0.1-1.0 mg/mL in sterile distilled H<sub>2</sub>O. Allow the solution to sit at room temperature for at least 20 minutes to ensure complete dissolution. Avoid vigorous vortexing.
3. The reconstituted solution can be stored at 2-8°C for up to 1 week.
4. For long-term storage, it is recommended to further dilute the solution with a carrier protein (such as 0.1% BSA, 10% FBS, or 5% HSA) to a concentration of no less than 10 µg/mL and aliquot for storage at -20°C to -80°C for 3 to 6 months. If serum-free experiments are required, a 5% trehalose solution can be used as a carrier instead. Avoid repeated freeze-thaw cycles.

## Storage

| Physical Appearance             | Storage        | Stability        |
|---------------------------------|----------------|------------------|
| Lyophilized powder              | -20°C to -80°C | 1 year           |
| Reconstitution (initial)        | 2°C to 8°C     | Less than 1 week |
| Reconstitution (after dilution) | -20°C to -80°C | 3 to 6 months    |

## Note

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.