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32-20055: Recombinant Murine sCD40 Ligand(Discontinued)

Reactivity : Human , mouse, Mouse + Virus, Rat
Alternative Name : soluble CD40 Ligand, TNFSF5, TRAP, CD154, Gp39, T-BAM

Description

Source:E.coliCD40, a member of the TNF receptor family, is a cell surface protein expressed on B cells, dendritic cells, monocytes, thymic epithelial cells and, at low levels, on T cells. Signaling though CD40 plays an important role in the proliferation and differentiation of B cells, and is critical for immunoglobulin (Ig) class switching. The membrane-anchored CD40 Ligand is expressed almost exclusively on activated CD4+ T lymphocytes. Failure to express CD40L leads to "immunodeficiency with hyper-IgM", a disease characterized by failure to produce IgG, IgA and IgE. The soluble form of CD40L is an 18kDa protein comprising the entire TNF homologous region of CD40L and is generated in vivo by an intracellular proteolytic processing of the full length CD40L. Recombinant Murine CD40L is a soluble 16.4 kDa protein containing 149 amino acid residues comprising the receptor binding TNF-like domain of CD40L.

Product Info

Amount : 5 µg / 25 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MQRGDEDPQI AAHVVSEANS NAASVLQWAK KGYYTMKSNL VMLENGKQLT VKREGLYYVY TQVTFCSNRE PSSQRPFIVG LWLKPSSGSE RILLKAANTH SSSQLCEQQS VHLGGVFELQ AGASVFVNVT EASQVIHRVG FSSFGLLKL

Application Note

Determined by its ability to induce TNF-Alpha and MIP-1Alpha production by murine splenocytes. The expectedÃ□Â ED_{50}Ã□Â for this effect is < 0.1 Ã□Âµg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.