

CD270 (HVEM, TR2)-FC recombinant protein

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| Catalog No : | YD3015 |
| Reactivity : | Human; |
| Purity : | >90% as determined by SDS-PAGE |
| Gene Name : | TNFRSF14 |
| Protein Name : | Tumor necrosis factor receptor superfamily member 14 (Herpes virus entry mediator A) (Herpesvirus entry mediator A) (HveA) (Tumor necrosis factor receptor-like 2) (TR2) (CD antigen CD270) |
| Sequence : | Amino acid:39-202,with FC tag. |
| Human Gene Id : | 8764 |
| Human Swiss Prot No : | Q92956 |
| Formulation : | Phosphate-buffered solution |
| Source : | Mammalian cells |
| Storage Stability : | -15°C to -25°C/1 year(Avoid freeze / thaw cycles) |
| Function : | Receptor for four distinct ligands: The TNF superfamily members TNFSF14/LIGHT and homotrimeric LTA/lymphotoxin-alpha and the immunoglobulin superfamily members BTLA and CD160, altogether defining a complex stimulatory and inhibitory signaling network (PubMed:10754304, PubMed:18193050, PubMed:23761635, PubMed:9462508). Signals via the TRAF2-TRAF3 E3 ligase pathway to promote immune cell survival and differentiation (PubMed:19915044, PubMed:9153189, PubMed:9162022). Participates in bidirectional cell-cell contact signaling between antigen presenting cells and lymphocytes. In response to ligation of TNFSF14/LIGHT, delivers costimulatory signals to T cells, promoting cell proliferation and effector functions (PubMed:10754304). Interacts with CD160 on NK cells, enhancing IFNG production and anti-tumor immune response (PubMed:23761635). In the context of bacterial infection, acts as a signalin |
| Subcellular Location : | Cell membrane ; Single-pass type I membrane protein . |

Expression : Widely expressed, with the highest expression in lung, spleen and thymus.
Expressed in a subpopulation of B cells and monocytes (PubMed:18193050).
Expressed in naive T cells (PubMed:19915044).

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