

CD270 (HVEM, TR2)-FC recombinant protein

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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