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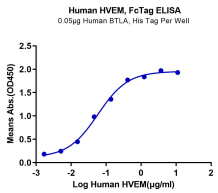
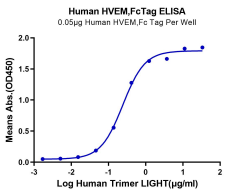
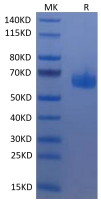
Recombinant human TNFRSF14 protein, C-hFc (HEK293)

Catalog Number:	bs-47111P
Concentration:	＞0.5 mg/ml
AA Seq:	37-202/283
Predicted MW:	44.3
Detected MW:	Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Tags:	C-hFc
Activity:	Not tested
Endotoxin:	<1.0 EU/μg as determined by LAL
Purity:	>95% as determined by Tris-Bis PAGE
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	TNFRSF14 is a type I membrane protein belonging to the TNF receptor superfamily. This receptor mediates herpes virus entry into cells during infection. TNFRSF14 is able to inhibit the proliferation, activation, and cytokine production of T cells. It has an extracellular domain containing several cysteine-rich repeats and a short cytoplasmic region containing a TRAF (TNF receptor-associated factor) interaction domain. The extracellular domain of TNFRSF14 interacts with the herpes simplex virus envelope glycoprotein D. TNFRSF14 binds two cellular ligands: lymphotoxin alpha and LIGHT. LIGHT is a transmembrane protein expressed and shed from the surface of activated T cells, exhibits inducible expression, and competes with HSV glycoprotein D for HVEM, a receptor expressed by T lymphocytes. The LIGHT:TNFRSF14 interaction controls immune response functions by cell death induction as well as cell activation. TNFRSF14 is expressed by peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells.

VALIDATION IMAGES







Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Immobilized Human BTLA,His Tag at 0.5μg/ml (100μl/Well). Dose response curve for Human HVEM,hFc Tag with the EC50 of 53.8ng/ml determined by ELISA.

Immobilized Human HVEM at 0.5μg/ml (100μl/Well). Dose response curve for Human Trimer LIGHT,His Tag with the EC50 of 0.24μg/ml determined by ELISA.

Human HVEM on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

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