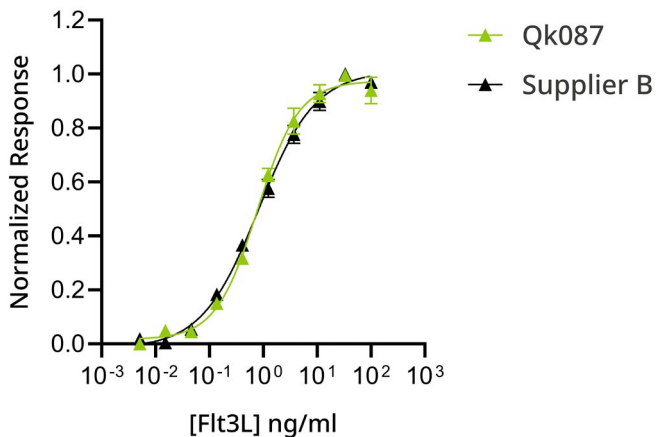


Qkine recombinant human Flt3L is as biologically active as a comparable alternative supplier protein

Technote

Flt3L (Qk087)



Stimulation of proliferation of AML5 cells with Qkine Flt3L (Qk087, green) and alternative supplier Flt3L (Supplier B black).

AML5 human myeloid leukemia cells were treated in triplicate with a serial dilution of Flt3L for 72 hours and proliferation measured using the CellTiter-Glo (Promega) assay.

Fms-like tyrosine kinase 3 ligand (Flt-3 Ligand or Flt3L) is a cytokine that is involved in the regulation of hematopoiesis. It stimulates the survival, proliferation, and differentiation of various early myeloid and lymphoid progenitor cells. Flt3L is commonly used in the differentiation of hematopoietic stem cells into dendritic cells.

Qkine Flt3L (Qk087) is animal origin-free, carrier protein-free, non-glycosylated and tag-free to ensure high and consistent bioactivity

Qkine Flt3L (Qk087) Bioactivity

- ▶ Qkine Flt3L stimulated proliferation of AML5 human myeloid leukemia cells with an EC50 of 0.78 ng/ml (44 pM).
- ▶ This was comparable to Supplier B Flt3L bioactivity of 0.82 ng/ml (46 pM).

The bioactivity comparison demonstrates that Qkine Flt3L (Qk087) has equivalent bioactivity to Flt3L from an alternative major supplier. Qkine Flt3L (Qk087) has the advantage of being highly pure and animal origin free, giving lot-to-lot consistency in bioactivity for long-term reproducible and high-quality culture of myeloid progenitors and dendritic cells