

Human GM-CSF OneStep ELISA Kit

Product Information

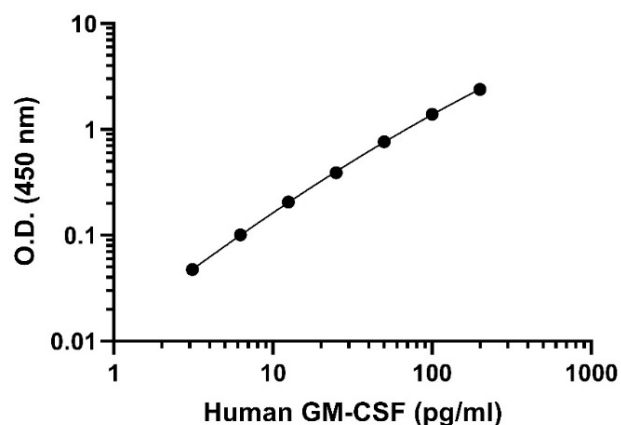
| | |
|----------------------|---|
| Antigen: | GM-CSF |
| Immunogen: | Recombinant Protein |
| Antibody Type: | Recombinant mAb |
| Reactivity: | Hu |
| Purification: | Protein A |
| Stability & Storage: | 12 months from date of receipt / reconstitution, 2 to 8 °C as supplied. |

Background:

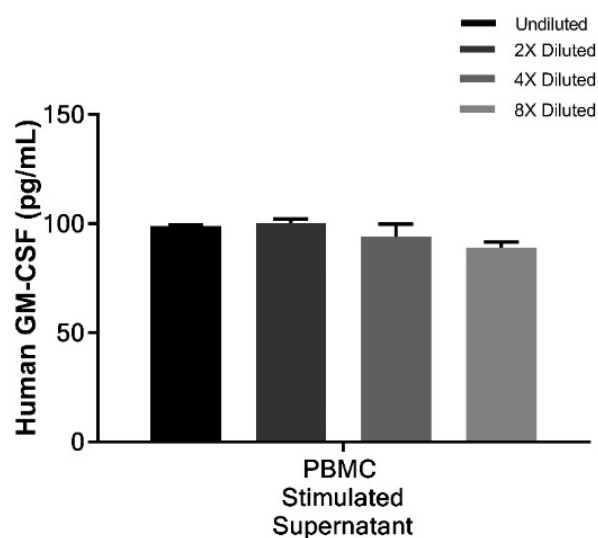
GM-CSF is a hematopoietic growth factor secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts that functions as a cytokine. GM-CSF stimulates the development of neutrophils and macrophages, and promotes the proliferation and development of early erythroid megakaryocytic and eosinophilic progenitor cells. GM-CSF binds to receptor heterodimers consisting of a GM-CSF-specific alpha chain and the common beta chain that is shared by the high-affinity receptors for IL-3 and GM-CSF.

Data

ELISA:



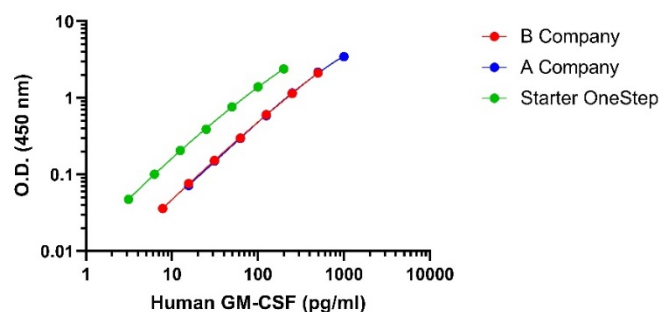
Standard curve
Example of human GM-CSF standard curve in Assay Diluent #1.



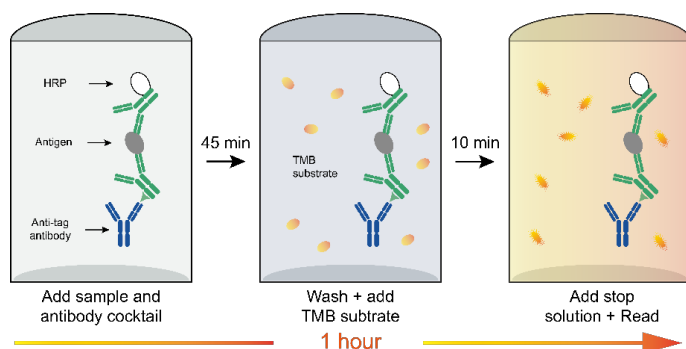
Linearity

The concentrations of GM-CSF were measured and interpolated from the target standard curves and corrected for sample dilution.

#1 sample is undiluted samples are as follows: human PBMC cells stimulated with 10ug/ml PHA for 5days (100%). The interpolated dilution factor corrected values are plotted. The mean target concentration was determined to be 95 pg/mL in stimulated human PBMC supernatant.



Leading Competitor comparison



Protocol Diagram