

Human Flt3L Antibody Pair Set

| | | | |
|--------------------|--|---------------------|-------|
| Catalog No. | E-KAB-0212 | Applications | ELISA |
| Synonyms | FLT3LG, Flt3-L, FL, Fms-Related Tyrosine Kinase 3 ligand | | |

Kit components & Storage

| Title | Specifications | Storage |
|---|----------------|---|
| Human Flt3L Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze / thaw cycles. |
| Human Flt3L Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20°C for one year. Avoid freeze / thaw cycles. |

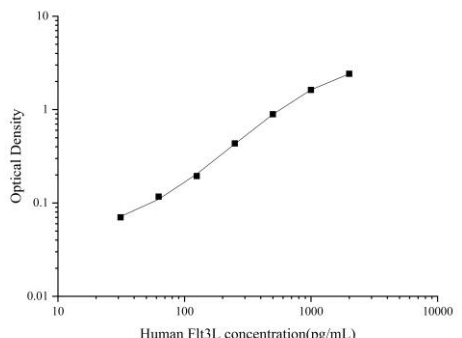
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

| Items | | Characteristic (E-KAB-0212) | |
|-----------------------|---------------|--|---|
| | | Human Flt3L Capture Antibody | Human Flt3L Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human Flt3L protein | Recombinant Human Flt3L protein |
| | Swissprot | P49771 | |
| Product details | Reactivity | Human | Human |
| | Host | Mouse | Goat |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Protein A or G | Antigen Affinity |
| | Specificity | Detects Human Flt3L in ELISAs. | |

Applications

Human Flt3L Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | |
|-----------------------------------|------------------------------------|---|---|-----------------------------------|-----------------|----|------|-----|-----|------|-----|-------|-----|
| ELISA Capture | 0.5-4µg/mL | Human Flt3L Capture Antibody |  <p>The graph is a log-log plot of Optical Density versus Human Flt3L concentration (pg/mL). The x-axis ranges from 10 to 10000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human Flt3L increases, the optical density also increases. The curve is approximately linear on this log-log scale, suggesting a power-law relationship between the two variables.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human Flt3L concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table> | Human Flt3L concentration (pg/mL) | Optical Density | 10 | 0.05 | 100 | 0.2 | 1000 | 1.0 | 10000 | 5.0 |
| Human Flt3L concentration (pg/mL) | Optical Density | | | | | | | | | | | | |
| 10 | 0.05 | | | | | | | | | | | | |
| 100 | 0.2 | | | | | | | | | | | | |
| 1000 | 1.0 | | | | | | | | | | | | |
| 10000 | 5.0 | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human Flt3L Detection Antibody (Biotin) | | | | | | | | | | | |

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts.