

Research use only. Not for use in diagnostic procedures.

## AlphaLISA<sup>®</sup>

## **Human Stem Cell Factor Detection Kit**

Product number: AL3019 C Lot Number: 3347130

Material provided:

**Kit Format:** AL3019HV: 100 assay points

The number of assay points based on an assay volume of 100 μL in a 96-well assay plate using kit

components at the recommended concentrations.

AL3019C: 500 assay points AL3019F: 5000 assay points

The number of assay points is based on an assay volume of 50 µL in

384-well assay plates using kit components at the recommended concentrations.

Analyte Format: AL3019S: 0.3 µg (one vial contains an amount sufficient for performing 10 AlphaLISA standard

curves)

Manufacturing date: October 15, 2024 Document version: 1

## **Product Information**

**Application:** This kit is designed for the quantitative determination of Stem Cell Factor (SCF) in serum,

plasma, and cell culture supernatants using a homogeneous AlphaLISA assay (no wash steps). The assay shows 8% cross reactivity with mouse SCF. Cross-reactivity with other species has not

been tested.

**Kit contents:** The kit contains 5 components: AlphaLISA Acceptor beads coated with Anti-SCF antibody,

Streptavidin-coated Donor beads, Biotinylated Anti-SCF antibody, Lyophilized Human SCF, and

10X AlphaLISA Immunoassay Buffer.

Sensitivity: Lower Detection Limit (LDL): 2 pg/mL

Lower Limit of Quantification (LLOQ): 5 pg/mL

EC<sub>50</sub>: 12 ng/mL

**Dynamic Range:**  $2 - 100\ 000\ pg/mL$ 

Storage: Store kit in the dark at +4°C. For reconstituted analyte aliquot and store at -20°C.

Stability: This kit is stable for at least 12 months from the manufacturing date when stored in its original

packaging and the recommended storage conditions.

## **Quality Control**

Lot to lot consistency is confirmed in an AlphaLISA assay. Maximum and minimum signals,  $EC_{50}$  and LDL were measured on the EnVision Multilabel Plate Reader with Alpha option. We certify that these results meet our quality release criteria. Maximum counts may vary between bead lots and the instrument used, with no impact on LDL measurement.

 EC50:
 9.958 ng/mL

 LDL:
 4.372 pg/mL

 LLOQ:
 13.955 pg/mL

 Min counts:
 366 counts

 Max counts:
 198457 counts

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AL3019-R Rev01



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