

Research use only. Not for use in diagnostic procedures.

## AlphaLISA<sup>®</sup>

## Human Immunoglobulin G (IgG) Detection Kit

Product number: AL205 F Lot Number: 3207441

Material provided:

**Kit Format:** AL205C: 500 assay points AL205F: 5000 assay points

The number of assay points is based on an assay volume of 50 µL in 96- or 384-well assay plates using

components at the recommended concentrations.

Analyte Format: AL205S: 3 µg (one vial contains an amount of human IgG sufficient for performing 10 AlphaLISA

standard curves)

Manufacturing date: 9/26/2023 Document version: 1

## **Product Information**

**Application:** This kit is designed for the quantitative determination of human IgG Fc₁ fragment in buffered

solution or cell culture medium using a homogeneous AlphaLISA assay (no wash steps).

Kit contents: The kit contains 5 components: AlphaLISA Acceptor beads coated with an Anti-Analyte

Antibody, Streptavidin-coated Donor beads, Biotinylated Anti-Analyte Antibody, lyophilized

analyte and 10X AlphaLISA Immunoassay Buffer.

**Sensitivity:** Lower Detection Limit (LDL): 240 pg/mL

**Dynamic Range:** 240 – 1 000 000 pg/mL

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

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

original packaging and the recommended storage conditions. Note: Once reconstituted, the

human IgG analyte is stable for at least 45 days at -20°C

## **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.

Maximum signal: 73977 counts Minimum signal: 148 counts

EC50: 291.2 ng/mL LDL: 285.9 pg/mL

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