

Research use only. Not for use in diagnostic procedures.

AlphaLISA®

Human Immunoglobulin G subclass 1 (IgG₁ isotyping) Detection Kit

Product number:	AL3171HV	Lot Number:	3307377	
Material provided:				
Kit Format:	AL3171HV: 100 assay points			
	The number of assay points based on an assay volume of 100 μ L in a 96-well assay plate using components at the recommended concentrations.			
	AL3171C: 500 assay points AL317	1F: 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.			ns.
Analyte Format:	AL3171S: 10 μ g (one vial contains an amount sufficient for performing 10 AlphaLISA standard curves)			
Manufacturing date:	June 24, 2024 Document ver	sion: 1		

Product Information

Application:	This kit is designed for the quantitative determination of human IgG_1 in cell culture/non-human serum, using a homogeneous AlphaLISA assay (no wash steps). The assay shows negligible cross-reactivity with other human IgG isotypes and monkey IgG.
Kit contents:	The kit contains 5 components: AlphaLISA Acceptor beads coated with anti-IgG1 Antibody, Streptavidin-coated Donor beads, Biotinylated anti-IgG1 antibody, Lyophilized Human IgG1, and 10X AlphaLISA HiBlock Buffer.
Sensitivity:	Lower Detection Limit (LDL): 3.82 ng/mL Lower Limit of Quantification (LLOQ): 4.29 ng/mL EC50: 3.68 µg/mL
Dynamic Range:	4.29 – 1 000 000 ng/mL
Storage:	Store kit in the dark at +4°C. Store reconstituted analyte 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. Note: Once reconstituted, the human IgG ₁ analyte is stable for at least 1 months when stored at -20°C.

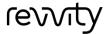
Quality Control

Lot to lot consistency is confirmed in an AlphaLISA assay. Maximum and minimum signals, EC₅₀ 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.

EC ₅₀ :	3.261 μg/mL
LDL:	3.167 ng/mL
LLOQ:	12.573 ng/mL
Min counts:	118 counts
Max counts:	121403 counts

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AL3171-R Rev01



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