

Interleukin-6 (IL-6)

Item Number: IL-6

Introduction

Explore high-affinity IL-6 antibodies and antigens for LF/FIA assays. Our reagents ensure accurate, repeatable results. Ideal for precise Interleukin-6 detection. Inquire now!

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Feature	Description
Product Name	IL-6
Host Species	Mouse
Application	LF, FIA
Dosage Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Antibody Subtype	IgG1
Clonality	Monoclonal
Antigen Epitope	N/D
Purity	≥ 95 %
Affinity Constant	KA= 1.3×10^{11} 1/M; KD= 7.7×10^{-11} M (=0.08 nM), BLI (Octet RED96e)
Related Products	Recombinant IL-6 antigen, Medix Biochemica 710015, 710039, 710038 and recombinant IL-6 antigen Lee Biosolutions 341-36.
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Isoelectric Point	6.3-7.6
Cross-Reactivity	N/D
Specificity	Antibody recognizes human interleukin-6 (IL-6)
Shelf life	24 months

Condition	Description
Storage Conditions	+2-8°C
Transportation Conditions	Cold packs

Indicator	Requirement
Package Appearance	Product outer packaging box, aluminum foil packaging bag should be intact and undamaged.
Detection Buffer Appearance	Clear and transparent, free of suspended matter. The tube should be well sealed, without leakage.
Detection Buffer Volume	The filling volume of the buffer should be 1.0mL, and its net content should be within the range of 1.0g±0.05g.
Detection Buffer pH	The pH of the buffer should be within the range of 7.2±0.2.
Test Strip Appearance	Clean and flat, no burrs, no damage, no pollution; the material should be firmly attached.
Test Strip Width	The width should not exceed ±0.80mm of the nominal value, and the nominal value is 4.50mm.
Migration Rate	The migration rate of the liquid should not be less than 10mm/min.
Minimum Detection Limit	IL-6 should not be higher than 5 Pg/L.
Linear Range	IL-6: Within the range of 5pg/L~2000.0pg/L, the linear correlation coefficient $r \geq 0.990$.
Accuracy	Relative deviation should not be greater than 20%.
Repeatability	Repeatability should not be greater than 10%.

Feature	Description
Condition	Description
Indicator	Requirement
Batch-to-batch Precision (Inter-batch Difference)	Inter-batch difference should not be greater than 15%.
Stability Testing	The product should be stored at 4–30°C in a sealed aluminum foil bag. Take the product within 1 month of the expiration date for testing, and the test results should meet the requirements of items 2.1–2.7.