

Recombinant Human Rheumatoid Factor

Cat. No. RF-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The monoclonal recombinant RF is expressed in HEK293 cells as a J-chain-stabilised pentameric human IgM and diluted in human plasma.
Species	Human
Source	HEK293
Description	Rheumatoid arthritis (RA) is a chronic autoimmune disorder marked by joint inflammation and systemic complications, most commonly affecting women and increasing with age. Rheumatoid Factor (RF), a group of autoantibodies targeting the Fc region of IgG, is a key biomarker in RA diagnosis and prognosis. While traditionally sourced from human sera, RF production faces challenges with consistency, supply, and biosafety. Recombinant RF provides a scalable, standardized, and pathogen-free alternative for assay development and quality control in autoimmune diagnostics. Despite its lack of disease specificity, RF remains a core component in diagnostic panels recommended by WHO and ACR.
Form	Presented as liquid in human plasma
Storage	Short-term Storage: 4 centigrade Longterm Storage: -20 centigrade. Avoid multiple freeze-thaw cycles. Stability: Accelerated stability at 37 centigrade, 22 centigrade and 4 centigrade showed no loss in RF recovery after 6 weeks.
Concentration	The sample batch is at 6.4 mg/mL.

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Isotype	Human IgM
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GENE INFORMATION

Official Symbol	RF
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Synonyms	RF; Rheumatoid Factor
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