



### RUBELLA-VIRUS SPECIFIC IgM ANTIBODIES

Rubella-virus specific IgM antibodies (Rubella IgM) develop shortly after primary infection or vaccination and persist for up to three months, while Rubella IgG can last a lifetime. Due to this short collection window, Rubella IgM has become increasingly difficult to source natively at appropriate concentrations.

LGC Clinical Diagnostics understands the difficulties in obtaining this increasingly rare material in a native format and have developed a Rubella IgM recombinant that can be used as a replacement. This material ensures a repeatable and reliable concentration of Rubella IgM without the supply chain risks associated with native collection.

Product Description	Trial Pack Size		
	Concentration	Fill	Part Number
Negative Rubella Plasma with Recombinant Rubella IgM at a concentration of ~100ug/mL	1mg	10mL	1200-0195
	5mg	50mL	1200-0194



### USE CASES

- Reagent Development
- Standards
- Controls
- Reference Materials
- As a replacement for any Rubella IgM native material

### TECHNICAL NOTES<sup>1</sup>

- The human Anti-Rubella virus IgM is expressed recombinantly in human cells and subsequently highly purified.
- Due to the presence of J chain the resulting IgM Pentamer has a hydrodynamic radius and molecular weight consistent with published purified IgM data.
- Only one oligomeric form is observed in Size Exclusion Chromatography with Multi-Angle Light Scattering (SEC-MALS) and no monomer is observed in Native PAGE.

1. Information on file with LGC Clinical Diagnostics.