

Product Data Sheet

Cat # RP-1415

Rubella Virus Capsid C Recombinant

Size: 100ug

Rubella virus is an enveloped positive-strand RNA virus of the family TOGAVIRIDAE. Virions are composed of three structural proteins: a capsid and two membrane-spanning glycoproteins, E2 and E1. During virus assembly, the capsid interacts with genomic RNA to form nucleocapsids. Immunoreactive with sera of Rubella Virus infected individuals.

**Source:** The E.Coli derived recombinant protein contains the Rubella Virus Capsid C regions, 1-123 amino acids. Rubella protein was purified by proprietary chromatographic technique. 20mM imidazol, 8M urea and 0.3M NaCl.

**Applications and Suggested Dilutions:** Rubella protein is >95% pure as determined by 10% PAGE (coomassie staining). Rubella antigen is suitable for ELISA and Western blots, excellent antigen for detection of Rubella Virus with minimal specificity problems. Users must optimize the appropriate concentration and conditions for each assay.

**Storage and Stability:** Rubella protein is shipped at ambient temperature. Upon arrival, Store at -20°C. Five years frozen. One month in solution at room temperature. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

**Usage:**

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

RP-1415

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