

Anti-single-stranded poly(rI) RNA [Jel 103] Bulk size

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Description: Recombinant monoclonal antibody to single-stranded poly(rI) RNA. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma Jel 103.

Isotype and Format: Rabbit IgG, kappa

Clone Number: Jel 103

UniProt Accession Number of Target Protein:

Published Application(s): SPRIA; IF

Published Species Reactivity:

Immunogen: Jel 103 was selected from a hybridoma cell line generated by the fusion of the MOPC 315-43 myeloma cell line with mouse spleen cells derived from C57/B1 mice which had been immunized with poly(rI)poly(dC) duplex complexed to methylated bovine serum albumin.

Specificity: Jel 103 is highly specific for single-stranded RNA and shows sequence specificity as it binds to poly(rI) but not to poly(dI), poly(rG) or to any other homopolymer - it does not bind randomly to calf thymus DNA. Jel 103 Fab is shown to form base stacking interactions with a Tyr residue and two salt-bridge interactions to the phosphate backbone with Lys and Arg residues.

Antibody First Published in:

Pokkuluri et al. J Mol Biol. 1994 Oct 21;243(2):283-97. [PMID:7523684](#) **Note on publication:**

Describes the generation of jel 301 fab fragment and the structures of the fab in complex with rIP, rGDP and dIMP are reported.

Product Form

This is a Bulk size product. Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied in: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

Product Code: Ab00800-23.0-BT

Rabbit IgG

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.