

**ARG66892**  
**anti-M13 Bacteriophage g8p coat protein antibody [SQab21250]**Package: 100 µg, 1 mg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [SQab21250] recognizes M13 Bacteriophage g8p coat protein
Tested Reactivity	Virus
Tested Application	ELISA, FACS
Host	Mouse
Clonality	Monoclonal
Clone	SQab21250
Isotype	IgG2b
Target Name	M13 Bacteriophage g8p coat protein
Species	Virus
Immunogen	g8p coat protein combine M13KO7 phage.
Conjugation	Un-conjugated
Alternate Names	M13 Bacteriophage coat phage protein pVIII; M13 pVIII protein; M13 pVIII coat protein; M13 antibody (g8p); Anti-M13 Bacteriophage g8p Coat Protein Antibody, SQab21250, Arigo Biolaboratories, Western blot, ELISA, immunoprecipitation, M13 bacteriophage, DNA cloning, sequencing, g8p coat protein, molecular biology applications, research use

### Application Instructions

Application table	Application	Dilution
	ELISA	1:5000 - 1:75000
	FACS	1:500 - 1:1000
Application Note	This antibody reacts phage by ELISA and flow cytometry, but does not reacts to recombinant Fc-tagged g8p protein. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Purity	95% (by SDS-PAGE)
Buffer	PBS and 0.01% Sodium azide.
Preservative	0.01% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

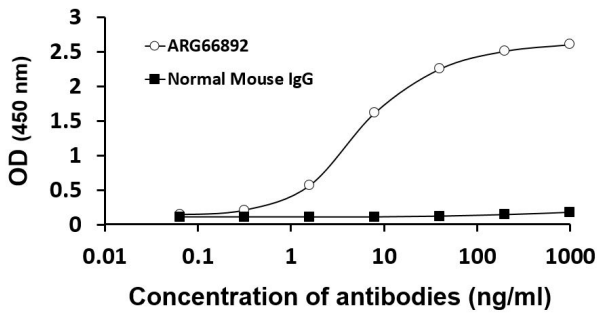
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

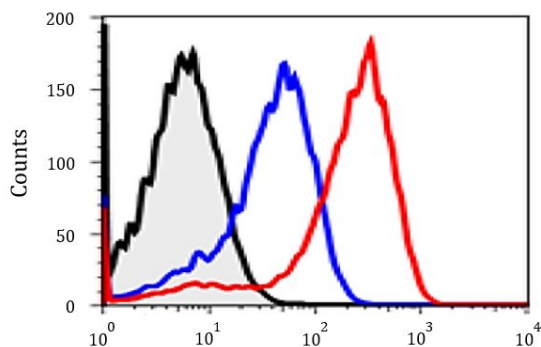
Gene Symbol	VIII (M13)
Gene Full Name	Capsid protein G8P (M13)
Function	M13 Bacteriophage g8p coat protein self assembles to form a helical capsid wrapping up the viral genomic DNA. The capsid displays a filamentous structure with a length of 760-1950 nm and a width of 6-8 nm. The virion assembly and budding take place at the host inner membrane. [UniProtKB - P69541 (CAPSD_BPM13)]
Highlight	Related news: <a href="#">M13 monoclonal antibody validated in ELISA and FACS;</a>

## Images



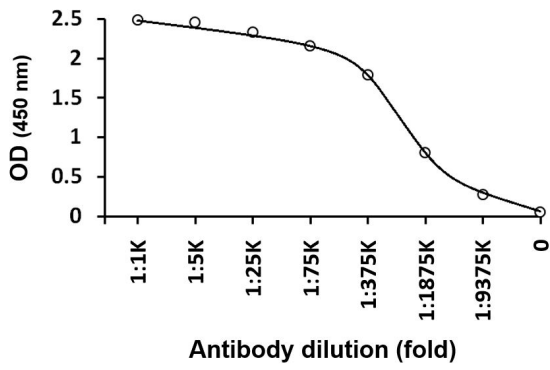
ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250] ELISA image

ELISA: M13 phage was pre-coated on the plate and detected the phage by variable concentrations of ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250]. Isotype control: Normal mouse IgG.



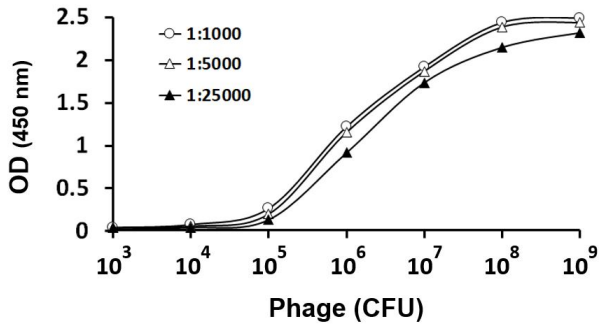
ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250] FACS image

Flow Cytometry: MCF7 cells incubated with 1x10<sup>9</sup> (blue) or 1x10<sup>10</sup> (red) of anti-HER3 scFvs displayed phage, then stained with ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250] at 1:500 dilution. And a PE-labeled anti-mouse IgG antibody used as the third antibody. Cells did not incubate the anti-HER3 scFvs displayed phage as control sample (black).



ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250] ELISA image

ELISA: The plate was coated with  $10^8$  of M13 bacteriophages. Samples were detected with serially diluted ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250].



ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250] ELISA image

Sensitivity analysis: Coating the indicated amounts of M13 bacteriophages and stained with the different concentration of ARG66892 anti-M13 Bacteriophage g8p coat protein antibody [SQab21250].