



# IBT BIOSERVICES

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## Rabbit anti-EBOV soluble GP

**Catalog #:** 0365-001

**Lot #:** 1709005

**Immunogen:** Peptide sequence to Ebola Virus (EBOV) soluble glycoprotein (sGP) (cat 0565-001).

**Description:** Affinity purified rabbit polyclonal antibody reactive to EBOV sGP. The antibody detects EBOV sGP in Western blot and ELISA.

**Supplied:** 100 µg of antibody is supplied in PBS + 0.02% sodium azide at a concentration of **0.384 mg/mL**.

**Raised in:** Rabbits

**Purification:** Antibody is affinity purified using immobilized immunogen.

**Clonality:** Polyclonal

**Relevance:** The antibody can be used for detection of EBOV sGP.

**Recommended Dilutions:**

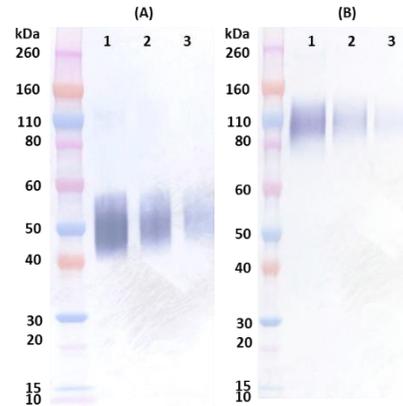
**ELISA:** Assay-dependent dilution.

**WB:** Assay-dependent dilution. Internal QC demonstrates good detection of EBOV sGP when using antibody at 0.1 µg/mL.

**Storage:** 2-3 weeks +4°C, -20°C long term

**Related Products:** IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website, [www.ibtbioservices.com](http://www.ibtbioservices.com) for more details.

### Western Blot Data:



Western blots were detected under (A) reduced and denatured conditions and (B) non-reduced and denatured conditions with rabbit anti-EBOV sGP antibody at 0.1 µg/mL and visualized using an anti-rabbit IgG-HRP conjugate and TMB Membrane substrate. EBOV sGP is visualized at 200 ng, 100 ng, and 50 ng (lane 1, 2, and 3 respectively). The rabbit anti-EBOV sGP antibody is able to detect both the reduced monomer of EBOV sGP as well as the non-reduced homodimer of EBOV sGP.

### ELISA Data:

Rabbit anti-EBOV soluble GP pAb (µg/mL)	EBOV	
	soluble GP	GPΔTM
1.000	3.771	0.118
0.316	3.020	0.086
0.100	1.866	0.074
0.032	0.863	0.070
0.010	0.357	0.076
0.003	0.163	0.072
0.001	0.121	0.083
0.000	0.081	0.082
0.000	0.071	0.097
0.000	0.077	0.077
	<b>OD 650</b>	

EBOV sGP and EBOV GPΔTM (cat 0501-001) proteins were diluted to 400 ng/well in PBS to coat plates. The rabbit anti-EBOV sGP antibody was serially diluted, semi-log from 1 µg/mL and incubated on the coated plates. The washed plates were detected with anti-rabbit IgG-HRP conjugate and TMB substrate. The OD650 above shows strong signals against target EBOV sGP. Background signals against EBOV GPΔTM were nearly undetectable.

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