

# Bioassayplus Inc.

4510 Rhodes Dr. Windsor, Canada N8W 5K5

## Certificate of Analysis

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** Toxo-GRA6

**Description:** Recombinant toxoplasma GRA6 is a protein with 180 amino acids, used to test the specific IgG and IgM antibody for the diagnosis of *Toxoplasma gondii* infection, it was expressed from *E. coli*, containing a 6 x his tag at its C-terminus. This protein usually forms dimer used for ELISA and lateral flow test.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** >95% pure (12% SDS-PAGE, Coomassie blue stain)

**Concentration:** 1.14mg/ml (lot 08-2015)

**Buffer:** PBS with 25mM arginine

**Preserve:** 0.025% sodium azide

**Applications:** ELISA and rapid test

**Storage:** Upon receipt, store at -20°C for 3 years. Avoid multiple freeze/thaw cycles.

**ELISA Test:** using 1:250 diluted *T. gondii* infected human plasma:



Coated antigen	1.6ug	0.55ug	0.185ug	62ng	20ng	7ng	2ng	0.7ng
1:250 diluted sample	0.69	0.691	0.609	0.514	0.376	0.118	0.037	0.019
Normal human sample	0.033	0.024	0.024	0.058	0.021	0.018	0.012	0.013
Signal / BKG	20.91	28.79	25.38	8.86	17.90	6.56	3.08	1.46