

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-GRA7

Description: Recombinant GRA7 is an antigen used to test the specific *Toxoplasma gondii* antibody, it contains 146 amino acid from GRA7 gene and fused with GST tag.

Source: *E. coli*

Format: Purified, Liquid

Purification: >90% pure (10% SDS-PAGE, Coomassie Blue staining). Proprietary chromatographic technique

Concentration: 1.5 mg/ml (lot: 12-2023)

Buffer: PBS with 25mM K₂CO₃

Preservative: 0.025% NaN₃

Applications: Immunoassay

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

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

Bound 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

