



ImmunoDiagnostics, Inc.

21F Olympia Ave. Woburn, MA 01801 USA
Tel: (781) 938-6300 • Fax: (781) 938-7300

PRODUCT SPECIFICATIONS

PRODUCT # 2509: Human Anti-gp41 HIV-1 pAb IgG

SPECIFICATIONS

Concentration:	See vial
Mass/vial:	100µg
Diluent:	PBS
Purity:	>95%
Stabilizer:	None
Preservative:	None
Storage:	-75°C
Physical State:	Frozen Liquid
Stability:	At least 6 months at -75°C
Minimum Dilution:	1 : 1000

APPLICATIONS

gp41 ELISA
gp41 Western ELISA
Immunoprecipitation
Immunohistochemistry
Virus Neutralization Assays

DESCRIPTION: pAb IgG fraction purified from human HIV-1 immune serum .

PURIFICATION: This pAb IgG was purified by rgp41-affinity chromatography to >95% purity as determined by SDS-PAGE, reduced.

SPECIFICITY: This pAb IgG binds to native and recombinant HIV-1 gp41 in ELISA and Western ELISA.

BIOLOGICAL ACTIVITY:

Neutralizes HIV-1 virus in Co-cultures as assayed by syncyium formation and in supT1 infected cells by p24, RT, LTR-CAT activation and cell viability assays.

APPLICATION AND INSTRUCTIONS FOR USE

Recommended dilutions for use are approximate values. A dose dependent response assay should be performed to determine the optimal concentration for use in specific applications.

This pAb IgG yields titres of greater than 1 : 2000 with 100ng of immobilized gp41 (Product# 1091) under standard conditions. ELISA and Western ELISA may be performed at 1-2µg/ml of pAb depending on the nature and the quantity of the immobilized antigen Histochemical studies require dilutions in 1 : 200 dilution range. Virus neutralization assays are performed in 10ug/ml antibody range.

CAUTION: Avoid use of needles and ensure that proper laboratory safety precautions are in place for the use of this product. Use must be limited to qualified personnel only. It is the responsibility of the person(s) using this product that proper and safe laboratory practices are followed and the materials that come in contact with the product are decontaminated following standard laboratory practices for the use of potentially infectious products. Use of needles/syringes in handling this product is forbidden.