DATA SHEET

For research use only. Not for use in humans.

Reagent: Human Immunodeficiency Virus Type 1 IIIB gp120 Protein, Recombinant from CHO Cells

Catalog Number: ARP-11784

Lot Number: 170236

Release Category: A

Provided: Each vial contains approximately 50 micrograms of ARP-11784 in phosphate-buffered saline (PBS) at a concentration of 1 mg per mL. Purity was > 95% as determined by SDS-PAGE, reduced.

Description: ARP-11784 is a full-length recombinant form of the gp120 envelope protein from human immunodeficiency virus Type 1 (HIV-1) IIIB, produced in Chinese Hamster Ovary (CHO) cells and purified by immunoaffinity chromatography.

Special Characteristics: The molecular weight of ARP-11784 is approximately 120 kilodaltons. This protein binds to murine monoclonal antibodies of defined epitope specificity and human serum polyclonal antibodies in ELISA and western ELISA. It also binds to human T-cell receptor CD4 in ELISA and western ELISA as determined by CD4/gp120/Anti-gp120 mAb-peroxidase capture ELISA. This protein activates human T-Lymphocytes (CD4+, CD4-) *in vitro*, as measured by RNA synthesis during G0 to G1 transition phase of antigen-binding competent cells. Suggested applications include ELISA and western blotting.

Recommended Storage: ARP-11784 should be stored at -80°C or colder immediately upon arrival. Avoid freeze-thaw cycles as reagent degradation may result.

Contributor: DAIDS, NIAID (produced by ImmunoDX, LLC)

Citation: Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Human Immunodeficiency Virus Type 1 IIIB gp120 Protein, Recombinant from CHO Cells, ARP-11784, contributed by DAIDS, NIAID; produced by ImmunoDX, LLC."

Biosafety Level: 1 Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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