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NY-ESO-1 Human

Catalog #:PRPS-538

For research use only.

Description:NY-ESO-1 Human Recombinant full length protein expressed in E.coli, shows a 49 kDa SDS-PAGE (including GST tag).The NY-ESO-1 is purified by proprietary chromatographic techniques.

Synonyms: Cancer/testis antigen 1, L antigen family member 2, LAGE-2, Autoimmunogenic cancer/testis antigen NY-ESO-1, Cancer/testis antigen 6.1, CT6.1, CTAG1A, CTAG, CTAG1, ESO1, LAGE2, LAGE2A, CTAG1B, LAGE2B.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Formulation:
NY-ESO-1 at 100

Stability:
Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:
ELISA Inhibition Assays Western Blotting.

Introduction:
NY-ESO-1, a member of the CT (cancer/testis) family, is a tumor-specific shared antigen with distinctive immunogenicity. NY-ESO-1 is expressed in testis and ovary and in a wide variety of cancers. It is also detected in uterine myometrium. The expression is from 18 weeks until birth in human fetal testis. Furthermore, in the adult testis, NY-ESO-1 is strongly expressed in spermatogonia and in primary spermatocytes, but not in post-meiotic cells or in testicular somatic cells (at protein level).The molecular basis of T cell-mediated antitumor immunity has been elucidated by the identification of a number of tumor antigens recognized by CD8+ T cells. Among these antigens, NY-ESO-1 is of particular interest because both the cytotoxic T lymphocyte and antibody have been shown to react with this antigen.

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