



Product Datasheet

Product Name	NY Esophageal Squamous Cell Carcinoma 1 Human Recombinant
Cata No	CB501144
Source	<i>Escherichia Coli.</i>
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.

Description

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.

NY-ESO-1 Human Recombinant full length protein expressed in E.coli, shows a 49 kDa SDS-PAGE.

The NY-ESO-1 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

NY-ESO-1 at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

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.

Applications

- ELISA
- Inhibition Assays
- Western Blotting