



Product Information Sheet

Polyclonal Anti- Transforming growth factor alpha, *TGF α* (Magnetic Bead Conjugate)

Catalogue No. PA1360-M

Lot No. 01310120260124

Ig type rabbit IgG

Size 100 μ g/vial

Specificity

Human

No cross reactivity with other proteins.

Recommended application

ImmunoPrecipitation (IP)

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human TGF α (73-90 aa), different from the mouse sequence by one amino acid.

Purity

Immunogen affinity purified.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

BACKGROUND

Transforming growth factor alpha (TGF- α) is upregulated in some human cancers. It is produced in macrophages, brain cells, and keratinocytes, and induces epithelial development. It is closely related to EGF, and can also bind to the EGF receptor with similar effects . TGF α stimulates neural cell proliferation in the adult injured brain. TGF α was cited in the 2001 NIH Stem Cell report to the U.S. Congress as promising evidence for the ability of adult stem cells to restore function in neurodegenerative disorders.

REFERENCE

1. In vivo induction of massive proliferation, directed migration, and differentiation of neural cells in the adult mammalian brain.