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Product Datasheet

Human alpha Taxilin protein, His tag, Unconjugated GTX00218-PRO

Artikelname	Human alpha Taxilin protein, His tag, Unconjugated
Artikelnummer	GTX00218-PRO
Hersteller Artikelnummer	GTX00218-pro
Alternativnummer	GTX00218-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Human
Konjugation	Unconjugated
NCBI	200081
UniProt	P40222
Puffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Lys328~Glu531 (NP_787048.1)

Anwendungsbeschreibung

Taxilin Alpha (TXLNa) also known as interleukin-14 (IL-14) is a cytokine that controls the growth and proliferation of both normal and cancerous B cells. TXLNa induces B-cell proliferation, inhibits antibody secretion, and expands selected B-cell subgroups. This interleukin is produced mainly by T cells and certain malignant B cells. Besides, Protein Disulfide Isomerase A3 (PDIA3) has been identified as an interactor of TXLNa, thus a binding ELISA assay was conducted to detect the interaction of recombinant human TXLNa and recombinant human PDIA3. Briefly, TXLNa were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 μ l were then transferred to PDIA3-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-TXLNa pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50 μ l stop solution to the wells and read at 450nm immediately. The binding activity of TXLNa and PDIA3 was in a dose dependent manner.