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## Product Datasheet

### Human TNFRSF14 protein, His tag, Unconjugated GTX00145-PRO

Article Name	Human TNFRSF14 protein, His tag, Unconjugated
Biozol Catalog Number	GTX00145-PRO
Supplier Catalog Number	GTX00145-pro
Alternative Catalog Number	GTX00145-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">8764</a>
UniProt	<a href="#">Q92956</a>
Buffer	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
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Ser41~Ser209 (NP_003811.2)

Application Notes

TNFRSF14 (Tumor necrosis factor receptor superfamily member 14) belongs to the tumor necrosis factor receptor superfamily. TNFRSF14 functions in signal transduction pathways that activate inflammatory and inhibitory T-cell immune response. It binds herpes simplex virus (HSV) viral envelope glycoprotein D (gD), mediating its entry into cells. A binding ELISA assay was conducted to detect the association of TNFRSF14 with TNFa. Briefly, TNFRSF14 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100  $\mu$ l TNFRSF14 were then transferred to TNFa-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-TNFRSF14 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  $\mu$ l stop solution to the wells and read at 450nm immediately. The binding activity of TNFRSF14 and TNFa was in a dose dependent manner.