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Product Datasheet

Rat SLIT2 protein, His tag, Unconjugated
GTX00062-PRO

Artikelname	Rat SLIT2 protein, His tag, Unconjugated
Artikelnummer	GTX00062-PRO
Hersteller Artikelnummer	GTX00062-pro
Alternativnummer	GTX00062-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Rat
Konjugation	Unconjugated
NCBI	360272
UniProt	Q9WVC1
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, Asn209~Gly374

Anwendungsbeschreibung	Slit is a family of secreted extracellular matrix proteins which play an important signalling role in the neural development of most bilaterians. Humans, mice and other vertebrates possess three Slit homologs: Slit1, Slit2 and Slit3. The Slit2 protein has recently been discovered to be associated with the development of new blood vessels from pre-existing vessels, or angiogenesis. Slit2 has been implicated in promoting angiogenesis in mice (both in vitro and in vivo), in the human placenta, and in tumorigenesis. Besides, Gremlin 1 (GREM1) has been identified as an interactor of Slit2, thus a binding ELISA assay was conducted to detect the interaction of recombinant rat Slit2 and recombinant rat GREM1. Briefly, Slit2 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to GREM1-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-Slit2 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 µl stop solution to the wells and read at 450nm immediately. The binding activity of Slit2 and GREM1 was in a dose dependent manner.