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Product Datasheet

Human HRG protein, His tag, Unconjugated GTX00140-PRO

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| Article Name | Human HRG protein, His tag, Unconjugated |
| Biozol Catalog Number | GTX00140-PRO |
| Supplier Catalog Number | GTX00140-pro |
| Alternative Catalog Number | GTX00140-PRO-10 |
| Manufacturer | GeneTex |
| Category | Proteine/Peptide |
| Application | FA |
| Species Reactivity | Human |
| Conjugation | Unconjugated |
| NCBI | 3273 |
| UniProt | P04196 |
| 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 | HEK293 cells |
| Form | Lyophilized powder |
| Sequence | N-terminal His-Tag, Val19~Lys525 (NP_000403.1) |

Application Notes

HRG (Histidine-rich glycoprotein) is a plasma glycoprotein which is distinguished by its high content of histidine and proline. HRG binds a number of ligands such as heme, heparin, heparan sulfate, thrombospondin, plasminogen, and divalent metal ions. Thus, a functional binding ELISA assay was constructed to detect the association of rhHRG with heparin. Briefly, Microtiter wells were coated with OVA-conjugated-heparin. rhHRG were diluted serially in 0.01M PBS (pH 7.4). Duplicate samples of 100 μ l were then transferred to the coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-HRG PAb, then aspirated and washed 3 times. After incubation with HRP labeled 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 rhHRG with heparin was in a dose dependent manner.