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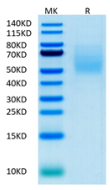
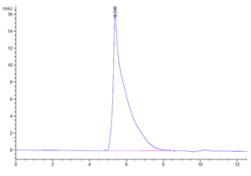
Recombinant human CA125 / MUC16 protein, C-His-Avi (HEK293)

Catalog Number:	bs-47160P
Concentration:	＞0.5 mg/ml
AA Seq:	12660-12923/14507
Predicted MW:	31.3
Detected MW:	Due to glycosylation, the protein migrates to 50-80 kDa based on Tris-Bis PAGE result.
Tags:	C-His-Avi
Activity:	Not tested
Endotoxin:	<1.0 EU/μg as determined by LAL
Purity:	>95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	MUC16 (CA125) is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. It is a mullerian duct differentiation antigen that is overexpressed in epithelial ovarian cancer cells and secreted into the blood, although its expression is not entirely confined to ovarian cancer. Most biochemical studies have concluded that MUC16 is a high molecular mass glycoprotein, although estimates of its size range from 200 to 2000 kDa with smaller “subunits” being described by some investigators.

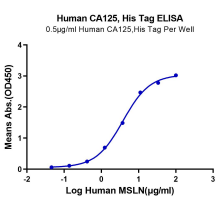
VALIDATION IMAGES



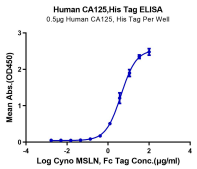
Recombinant MUC16 Protein on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



The purity of Recombinant Human Muc16/CA125 Protein is greater than 95% as determined by SEC-HPLC.



Immobilized Human CA125,His Tag at 5μg/ml(100μl/Well). Dose response curve for Human MSLN(Cat.MSL-HM280) with the EC50 of 3.78μg/ml determined by ELISA.



Immobilized Human CA125 at 5μg/ml(100μl/Well). Dose response curve for Cyno MSLN(Cat.MSL-CM280) with the EC50 of 4.28μg/ml determined by ELISA.

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.008] Juanzu Liu. et al. Immunoprofiling of Severity and Stage of Bacterial Infectious Diseases by Ultrabright Fluorescent Nanosphere-Based Dyad Test Strips. ANAL CHEM. 2022;94(24):8818–8826 Other ; Human . 35686482

[IF=8.008] Yuqi Xu. et al. Surface Defect-Involved and Single-Color Electrochemiluminescence of Gold Nanoclusters for Immunoassay. ANAL CHEM. 2022;94(35):12070–12077 Other ; Other . 35994734

[IF=8.008] Li Fu. et al. Coreactant-free and Near-Infrared Electrochemiluminescence Immunoassay with n-Type Au Nanocrystals as Luminophores. ANAL CHEM. 2022;94(34):11934–11939 Other ; Other . 35976331

[IF=8.008] Xuwen Gao. et al. Luminophore-Surface-Engineering-Enabled Low-Triggering-Potential and Coreactant-Free Electrochemiluminescence for Protein Determination. ANAL CHEM. 2023;95(17):6948–6954 Other ; . 37083347

[IF=5.304] Zhi Luo. et al. Novel electrochemiluminescence resonance energy transfer platform involving PTCA@Fe(III)-MIL-88B-NH2@Au as a double-amplified emitter for the detection of cystatin C. MICROCHEM J. 2023 Aug;191:108883 Other ; . 10.1016/j.microc.2023.108883