

Mouse PLAU/uPA Protein

Cat. No. PLA-MM401



Description

Source	Recombinant Mouse PLAU/uPA Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus. It contains Gly21-Phe433.
Accession	P06869
Molecular Weight	The protein has a predicted MW of 49.00 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 30-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

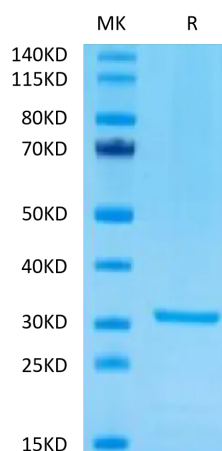
Formulation	Lyophilized from 0.22µm filtered solution in 20mM PB, 150mM NaCl (pH 6.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Plasminogen activator, urokinase (uPA) is a secreted serine protease whose Dysregulation is often accompanied by various cancers. PLAU inhibition could suppress tumor growth. Collectively, PLAU is necessary for tumor progression and can be a diagnostic and prognostic biomarker in HNSCC.

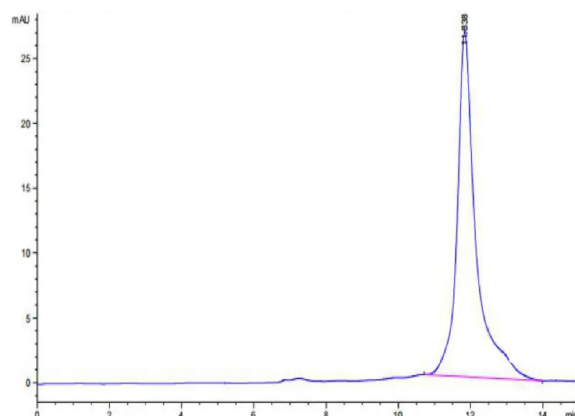
Assay Data

Bis-Tris PAGE



Mouse PLAU on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse PLAU is greater than 90% as determined by SEC-HPLC.

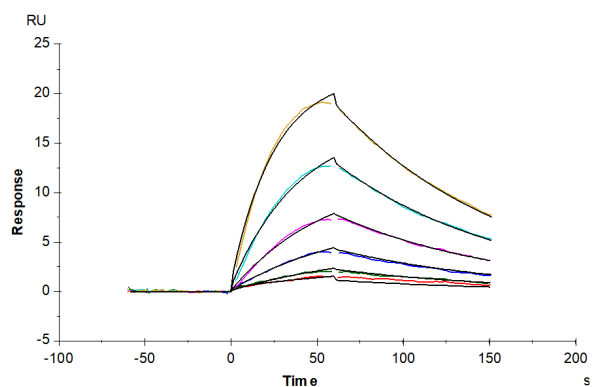
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Assay Data

SPR Data



Human uPAR, hFc Tag captured on CM5 Chip via Protein A can bind Mouse PLAU, His Tag with an affinity constant of 0.33 μM as determined in SPR assay (Biacore T200) (QC Test).