

Mouse TYRO3 Protein

Cat. No. TYR-MM103



Description

Source	Recombinant Mouse TYRO3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg31-Asp419.
Accession	P55144-2
Molecular Weight	The protein has a predicted MW of 43 kDa. Due to glycosylation, the protein migrates to 60-75 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 > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The TAM receptors (Tyro3, Axl and MerTK) are promising therapeutic targets on tumor-associated macrophages. The TAM receptors are a family of receptor tyrosine kinases with shared ligands Gas6 and Protein S that skew macrophage polarization towards a pro-tumor M2-like phenotype. In macrophages, the TAM receptors also promote apoptotic cell clearance, a tumor-promoting process called efferocytosis. The TAM receptors bind the "eat-me" signal phosphatidylserine on apoptotic cell membranes using Gas6 and Protein S as bridging ligands.

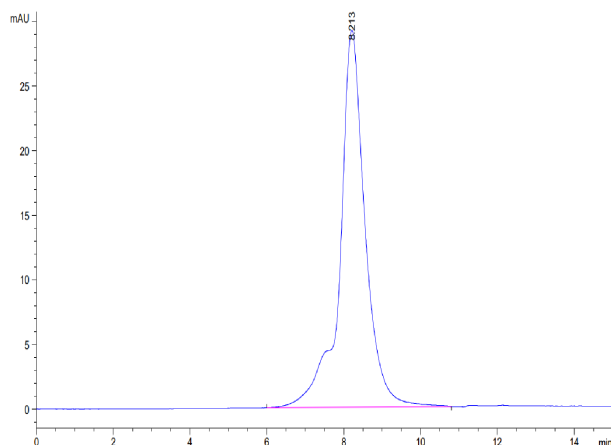
Assay Data

Bis-Tris PAGE



Mouse TYRO3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

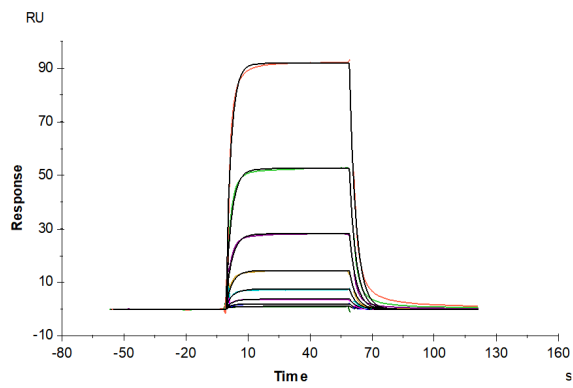
SEC-HPLC



The purity of Mouse TYRO3 is greater than 95% as determined by SEC-HPLC.

Assay Data

SPR Data



Mouse TYRO3, His Tag immobilized on CM5 Chip can bind Mouse GAS6, His Tag with an affinity constant of 11.31 μM as determined in SPR assay (Biacore T200).