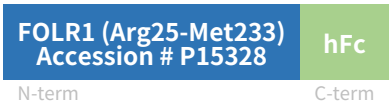
Rev04
Update: Aug,08,2025

DATASHEET

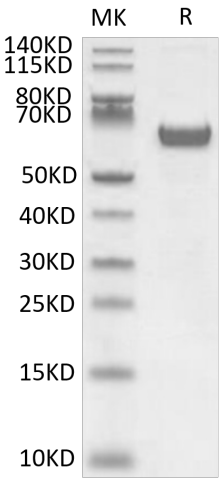
FOLR1 hFc Chimera, Human

Cat. No.: Z03925

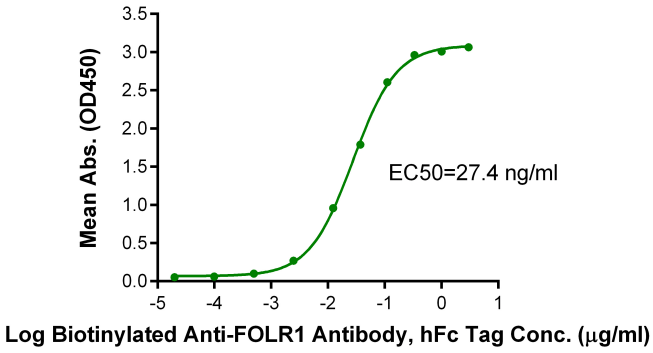
Product Introduction

Species	Human
Protein Construction	
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Immobilized FOLR1 hFc Chimera, Human (Cat.No.: Z03925) at 0.5 μg/ml(100μl/Well) on the plate can bind Biotinylated Anti-FOLR1 Antibody, hFc Tag
Expression System	HEK293
Theoretical Molecular Weight	51.3 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 μm filtered solution in PBS, pH 7.4 .
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O more than 100 μg/ml.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

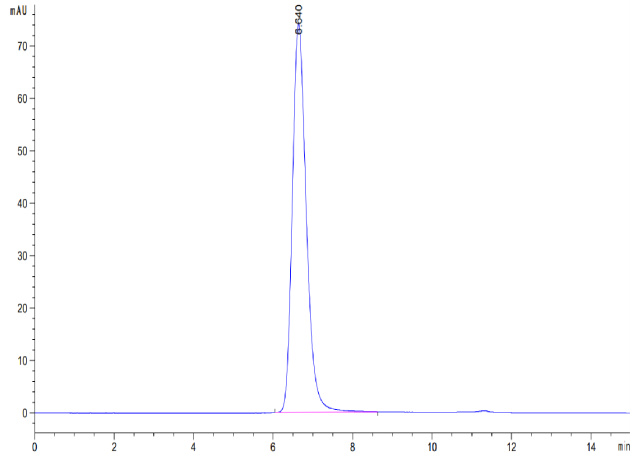
Examples



FOLR1 hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized FOLR1 hFc Chimera, Human at 0.5 μg/ml (100 μl/well) on the plate. Dose response curve for Biotinylated Anti-FOLR1 Antibody, hFc Tag with the EC50 of 27.4 ng/ml determined by ELISA.



The purity of FOLR1 hFc Chimera, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Folate Receptor 1 (FOLR1), also known as Folate Receptor alpha and Folate Binding Protein (FBP), is a 37 - 42 kDa protein that mediates the cellular uptake of folic acid and reduced folates. Dietary folates are required for many key metabolic processes including nucleotide and methionine synthesis, the interconversion of glycine and serine, and histidine breakdown. FOLR1 binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH.

Synonyms : FR-alpha; FR alpha; FR α; FOLR; FOLR1; FBP; Folbp1; KB cells FBP; MOv18; Folate receptor 1; Fbp1; Folate receptor alpha;

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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