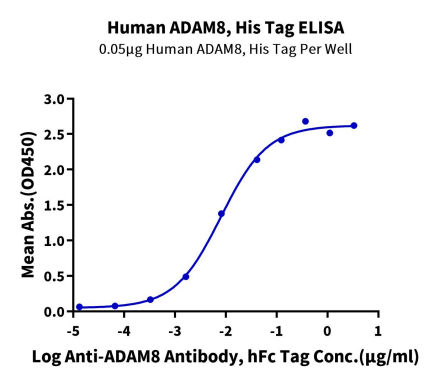
Bioactive HuPro®

ADAM8 (Human) Recombinant Protein

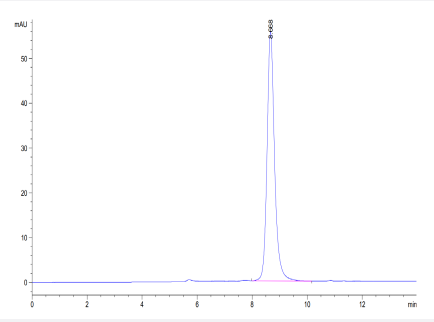
Catalog # P9813 Size 100 ug

Applications



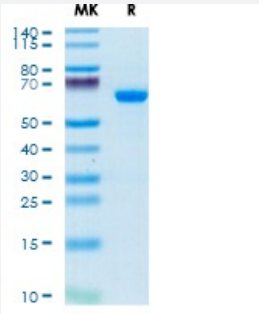
Enzyme-linked Immunoabsorbent Assay

Immobilized Human ADAM8, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-ADAM8 Antibody, hFc Tag with the EC50 of 8.1 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human ADAM8 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human ADAM8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Product Description	Human ADAM8 (P78325, Ile17-Pro655) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Ile17-Pro655
Host	Human
Theoretical MW (kDa)	70.90000000000001
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 8.1 ng/mL, messured by ELISA at 0.5 ug/mL. Measured by the ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-Dpa-RSSSR-NH2. The specific activity is > 1 pmol/min/ug.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human ADAM8 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human ADAM8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human ADAM8, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-ADAM8 Antibody, hFc Tag with the EC50 of 8.1 ng/mL determined by ELISA.

- SDS-PAGE

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Info — ADAM8

Entrez GeneID	101
Protein Accession#	P78325
Gene Name	ADAM8
Gene Alias	CD156, MGC134985, MS2
Gene Description	ADAM metallopeptidase domain 8
Omim ID	602267
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. M embers of this family are membrane-anchored proteins structurally related to snake venom disinte grins, and have been implicated in a variety of biological processes involving cell-cell and cell-mat rix interactions, including fertilization, muscle development, and neurogenesis. The protein encod ed by this gene may be involved in cell adhesion during neurodegeneration, and it is thought to be a target for allergic respiratory diseases, including asthma. Alternative splicing results in multiple t ranscript variants. [provided by RefSeq
Other Designations	CD156a antigen|OTTHUMP00000020792|a disintegrin and metalloproteinase domain 8|cell surf ace antigen MS2

Disease

- Alzheimer Disease
- Asthma
- Genetic Predisposition to Disease
- Hypersensitivity
- Ovarian Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.