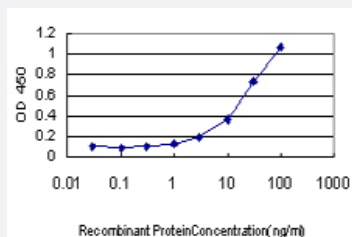


MUC5AC monoclonal antibody (M07), clone 2H7

Catalog # H00004586-M07

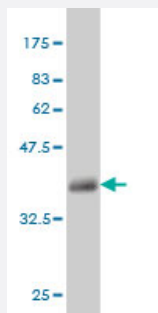
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MUC5AC is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MUC5AC.
Immunogen	MUC5AC (XP_495860, 351 a.a. ~ 450 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NQSTCAVYHRSLIIQQQGCSSSEPVRLAYCRGNCGDSSSMYSLEGNTVEHRCQCCQELRTSLRN VTLHCTDGSSRAFSYTEVEECGCMGRRCPPAPGDTQH
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MUC5AC is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MUC5AC

Entrez GeneID

[4586](#)

GeneBank Accession#

[XM_495860](#)

Protein Accession#

[XP_495860](#)

Gene Name

MUC5AC

Gene Alias

MUC5

Gene Description

mucin 5AC, oligomeric mucus/gel-forming

Omim ID

[158373](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

O

Other Designations

gastric mucin|mucin 5, subtypes A and C, tracheobronchial/gastric|mucin 5AC|tracheobronchial m
ucin

Publication Reference

- [Abnormalities in MUC5AC and MUC5B Protein in Airway Mucus in Asthma.](#)

Lachowicz-Scroggins ME, Yuan S, Kerr SC, Dunican EM, Yu M, Carrington SD, Fahy JV.

American Journal of Respiratory and Critical Care Medicine 2016 Nov; 194(10):1296.

Application: Func, Human , Healthy and asthmatic sputum

- [Effect of a Semi-Purified Oligosaccharide-Enriched Fraction from Caprine Milk on Barrier Integrity and Mucin Production of Co-Culture Models of the Small and Large Intestinal Epithelium.](#)

Barnett AM, Roy NC, McNabb WC, Cookson AL.

Nutrients 2016 May; 8(5):267.

Application: ELISA, Human, Supernatant obtained from Caco-2:HT29-MTX cultures medium

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Otitis Media](#)
- [Otitis Media with Effusion](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)