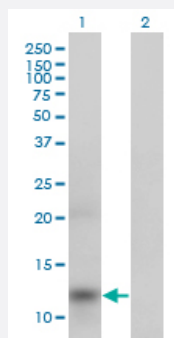


APOA2 monoclonal antibody (M01), clone 4F3

Catalog # H000003336-M01

Size 100 ug

Applications

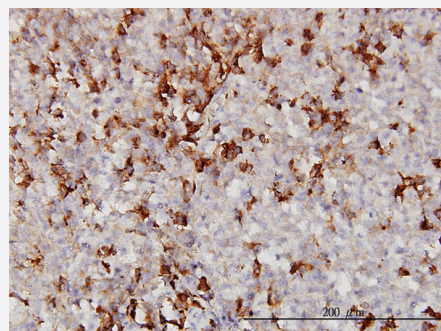


Western Blot (Transfected lysate)

Western Blot analysis of APOA2 expression in transfected 293T cell line by APOA2 monoclonal antibody (M01), clone 4F3.

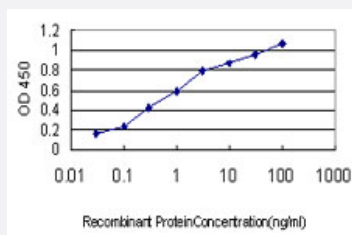
Lane 1: APOA2 transfected lysate (11.2 KDa).

Lane 2: Non-transfected lysate.



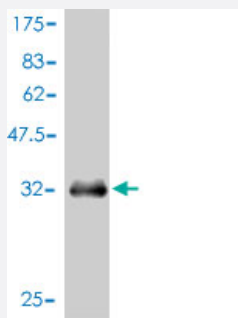
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to APOA2 on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged APOA2 is approximately 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant APOA2.
Immunogen	APOA2 (AAH05282, 1 a.a. ~ 100 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKLLAATVLLLITCSLEGALVRRQAKEPCVESLVSQYFQTVTDYGKDLMEKVKSPELQAEAKSYF EKSKEQLTPLIKKAGTELVNFLSYFVELGTQPATQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (64); Rat (57)
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 (Transfected lysate)

Western Blot analysis of APOA2 expression in transfected 293T cell line by APOA2 monoclonal antibody (M01), clone 4F3.

Lane 1: APOA2 transfected lysate(11.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to APOA2 on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged APOA2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — APOA2

Entrez GeneID [336](#)

GeneBank Accession# [BC005282](#)

Protein Accession# [AAH05282](#)

Gene Name APOA2

Gene Alias -

Gene Description apolipoprotein A-II

Omim ID [107670 143890](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes apolipoprotein (apo-) A-II, which is the second most abundant protein of the high density lipoprotein particles. The protein is found in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in this gene may result in apolipoprotein A-II deficiency or hypercholesterolemia. [provided by RefSeq]

Other Designations OTTHUMP00000032244

Publication Reference

- [Cholesterol Uptake Capacity: A New Measure of HDL Functionality for Coronary Risk Assessment.](#)

Amane Harada, Ryuji Toh, Katsuhiro Murakami, Maria Kiriya, Keiko Yoshikawa, Keiko Miwa, Takuya Kubo, Yasuhiro Irino, Kenta Mori, Nobuaki Tanaka, Kunihiro Nishimura, Tatsuro Ishida, Ken-Ichi Hirata.

The Journal of Applied Laboratory Medicine 2017 Sep; 2(2):186.

Application: WB-Re, Recombinant proteins

Pathway

- [PPAR signaling pathway](#)

Disease

- [Atherosclerosis](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Kidney Failure](#)
- [Leukemia](#)

- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Obesity](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)