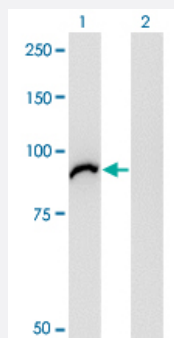


# VAC14 monoclonal antibody (M03), clone 3B2

Catalog # H00055697-M03

Size 100 ug

## Applications

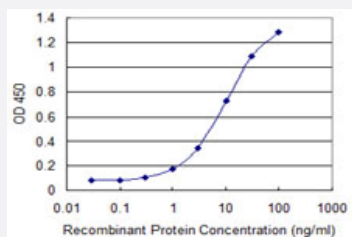


### Western Blot (Transfected lysate)

Western Blot analysis of VAC14 expression in transfected 293T cell line by VAC14 monoclonal antibody (M03), clone 3B2.

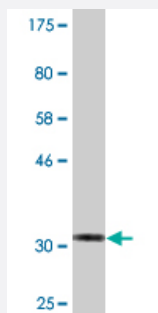
Lane 1: VAC14 transfected lysate (Predicted MW: 88 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged VAC14 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (33.33 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant VAC14.

Immunogen	VAC14 (NP_060522.3, 714 a.a. ~ 782 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SHRLQCVNPPELLQTEDSLKAAPKSQKADSPSIDYAELLQHFEKVQNKHLEVRHQRSGRGDHLD RRVVL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.33 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 VAC14 expression in transfected 293T cell line by VAC14 monoclonal antibody (M03), clone 3B2.

Lane 1: VAC14 transfected lysate (Predicted MW: 88 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged VAC14 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — VAC14

Entrez GeneID [55697](#)

GeneBank Accession# [NM\\_018052](#)

Protein Accession#	<a href="#">NP_060522.3</a>
Gene Name	VAC14
Gene Alias	ArPIKfyve, FLJ10305, FLJ36622, FLJ46582, MGC149815, MGC149816, TAX1BP2, TRX
Gene Description	Vac14 homolog (S. cerevisiae)
Omim ID	<a href="#">604632</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Phosphatidylinositol 3,5-bisphosphate (PI(3,5)P2) is a low-abundance signaling molecule. A regulatory complex made up of VAC14 and FIG4 (MIM 609390) control synthesis of PI(3,5)P2 by activating PI(3)P kinase, FAB1 (PIP5K3; MIM 609414). The VAC14/FIG4 complex also functions in the breakdown of PI(3,5)P2 (Zhang et al., 2007 [PubMed 17956977]).[supplied by OMIM]
Other Designations	Tax1 (human T-cell leukemia virus type I) binding protein 1 Tax1 (human T-cell leukemia virus type I) binding protein 2 Vac14 homolog

## Disease

- [Tobacco Use Disorder](#)