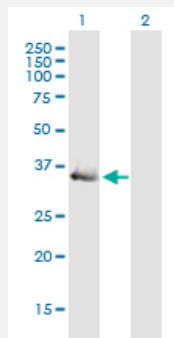


# ART4 monoclonal antibody (M01), clone 2F8

Catalog # H00000420-M01

Size 100 ug

## Applications

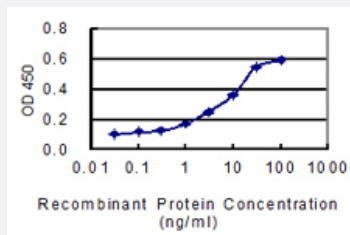


### Western Blot (Transfected lysate)

Western Blot analysis of ART4 expression in transfected 293T cell line by ART4 monoclonal antibody (M01), clone 2F8.

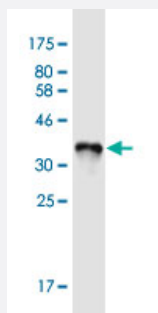
Lane 1: ART4 transfected lysate (Predicted MW: 35.9 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ART4 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant ART4.

<b>Immunogen</b>	ART4 (NP_066549, 61 a.a. ~ 160 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	SFDDQYQGCSKQVMEKLTQGDYFTKDIEAQKNYFRMWQKAHLAWLNQGKVL PQNMTTTHAVAIL FYTLNSNVHSDFTAMASVARTPQQYERSFHF KYLH
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ART4 expression in transfected 293T cell line by ART4 monoclonal antibody (M01), clone 2F8.

Lane 1: ART4 transfected lysate (Predicted MW: 35.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ART4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — ART4

Entrez GeneID [420](#)

GeneBank Accession# [NM\\_021071](#)

Protein Accession#	<a href="#">NP_066549</a>
Gene Name	ART4
Gene Alias	CD297, DO, DOK1
Gene Description	ADP-ribosyltransferase 4 (Dombrock blood group)
Omim ID	<a href="#">110600</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene encodes a protein that contains a mono-ADP-ribosylation (ART) motif. It is a member of the ADP-ribosyltransferase gene family but enzymatic activity has not been demonstrated experimentally. Antigens of the Dombrock blood group system are located on the gene product, which is glycosylphosphatidylinositol-anchored to the erythrocyte membrane. Allelic variants, some of which lead to adverse transfusion reactions, are known. [provided by RefSeq]</p>
Other Designations	ADP-ribosyltransferase 4 ADP-ribosyltransferase 4 (DO blood group) Dombrock blood group carrier molecule mono-ADP-ribosyltransferase 4