

Anti-ART4/CD297 Antibody (8Y723)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	8Y723
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of rat ART4 in rat kidney with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of rat ART4 in rat liver with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:50-1:200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Rat CD297 Protein (TMPY-03312)
Antigen Species:	Rat
Synonyms:	ADP-ribosyltransferase 4 (Dombrock blood group)

Research Background

ADP-ribosyltransferase 4 (Dombrock blood group), also known as Mono-ADP-ribosyltransferase 4(ART4), Dombrock blood group carrier molecule and CD297, is 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. ADP-ribosyltransferase catalyzes the ADP-ribosylation of arginine residues in proteins. Mono-ADP-ribosylation is a posttranslational modification of proteins that is interfered with by a variety of bacterial toxins including cholera, pertussis, and heat-labile enterotoxins of E. coli. ART4 could be detected on HEL cells and erythrocytes by FACS analysis while it was absent from activated monocytes, despite the presence of ART4 mRNA in these cells. ART is also known as the carrier of the Dombrock blood group alloantigens (Do) which is glycosylphosphatidylinositol-anchored to the erythrocyte membrane.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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