

Anti-CD38 Monoclonal Antibody

Product Details

Ig Type:	Rabbit monoclonal IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	150 kDa
Purification:	Protein A Affinity Purified

Applications

Verified Activity:	Flow cytometry analysis of CD38 overexpressed 396F cells with TMAZ-0014, followed by goat anti-rabbit IgG-ABflo 647 (red line). The isotype control is rabbit IgG (black line).
Application:	ELISA,FCM
Recommended	0.1-0.2 µg/10E6 cells for FCM; 1 ng/µl for ELISA

Properties

Purity:	> 95% as determined by SDS-PAGE.
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	CD38
Antigen Species:	Human
Gene ID:	952
Uniprot ID:	P28907
Synonyms:	2'-phospho-ADP-ribosyl cyclase;ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1;ADP-ribosyl cyclase 1;Cyclic ADP-ribose hydrolase 1;2'-phospho-cyclic-ADP-ribose transferase;T10;2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase
Biology Area:	Immunology Research

Research Background

Synthesizes cyclic ADP-ribose (cADPR), a second messenger for glucose-induced insulin secretion (PubMed: 7961800, PubMed: 8253715). Synthesizes the Ca(2+) mobilizer nicotinate-adenine dinucleotide phosphate, NAADP (+), from 2'-phospho-cADPR and nicotinic acid, as well as from NADP(+) and nicotinic acid. At both pH 5.0 and pH 7.4 preferentially transforms 2'-phospho-cADPR into NAADP(+), while preferentially cleaving NADP(+) to cADPR and ADPRP rather than into NADDP(+) (PubMed: 16690024). Has cADPR hydrolase activity (PubMed: 7961800, PubMed: 8253715)

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