

CD81 Monoclonal Antibody (Eat2)

Catalog Number MA1-80209

Product Data Sheet

Details		Species Reactivity	
Size	100 µg	Tested species reactivity	Mouse, Rat
Host / Isotype	Armenian Hamster IgG1	Tested Applications	Dilution *
Class	Monoclonal	ELISA (ELISA)	Assay Dependent
Type	Antibody	Flow Cytometry (Flow)	1/10 - 1/50
Clone	Eat2	Immunohistochemistry (Frozen) (IHC (F))	Assay Dependent
Immunogen	38C13, murine B cell line.	Immunoprecipitation (IP)	Assay Dependent
Conjugate	Unconjugated	Western Blot (WB)	Assay Dependent
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1mg/ml		
Purification	Protein G		
Storage Buffer	PBS, pH 7.4		
Contains	0.09% sodium azide		
Storage Conditions	4°C or -20°C if preferred		

Product Specific Information

This antibody induces homotypic aggregation of B cells and inhibits anti-Ig and IL-4 induced proliferation, and requires the presence of both extracellular loops of TAPA-1 for binding.

The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommend the use of acetone fixation for frozen sections. For FACS analysis, use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Background/Target Information

CD81 is a 26kD cell surface glycoprotein that is also known as TAPA-1. In rodents CD81 is expressed at much higher levels on resting B cells than on T cells, although increased expression on T cells is found following activation.

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