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30-2889: Anti-Biotin Mab(1D4-C5)

Clonality :	Monoclonal
Clone Name :	1D4-C5
Application :	IP,ELISA,FACS,MC
Reactivity :	Human
Format :	Purified
Alternative Name :	vitamin H, vitamin B7
Isotype :	Mouse IgG2a kappa
Immunogen Information :	biotinylated limulus hemocyanin

Description

Specificity: Mouse monoclonal antibody 1D4-C5 recognizes biotin and can be used as a second-step reagent for detecting biotinylated antigens.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Formulation: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

FC (QC tested), ELISA, IP, MC (CyTOF)

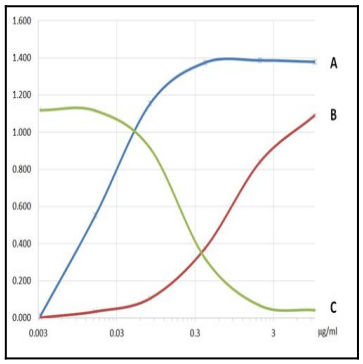

Figure 1: ELISA analysis of a biotinylated antigen using biotin-specific antibody and streptavidin. Microtitration wells were coated with biotinylated human IgG (0.01 Î¼g/ml) and blocked. Then either anti-biotin mouse monoclonal 1D4-C5 (A, C) or streptavidin-HRP (B) was added in six different doses. Finally, goat anti-mouse-HRP conjugate (A) or streptavidin-HRP (C) was added. HRP signal increased in a dose-dependent manner, but with different dynamics when the biotinylated antibody was detected by anti-biotin mAb/goat anti-mouse-HRP (A) or by streptavidin-HRP (B), and it was falling to zero in a dose-dependent manner when streptavidin-HRP was competed by anti-biotin mAb 1D4-C5 (C).