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Product Datasheet

APRIL Antibody [Aprily-8], IgG1, Unconjugated, Mouse, Monoclonal PRS-XA-1020

Article Name	APRIL Antibody [Aprily-8], IgG1, Unconjugated, Mouse, Monoclonal
Biozol Catalog Number	PRS-XA-1020
Supplier Catalog Number	XA-1020
Alternative Catalog Number	PRS-XA-1020-0.1
Manufacturer	ProSci
Host	Mouse
Category	Antikörper
Application	FC, ICC, WB
Species Reactivity	Human
Immunogen	APRIL (monoclonal Aprily-8) antibody was raised against recombinant human APRIL (aa. 93-233) expressed in bacteria.
Conjugation	Unconjugated
Clonality	Monoclonal
Concentration	batch dependent
Clone Designation	[Aprily-8]
Isotype	IgG1
NCBI	8741
UniProt	O75888
Buffer	PBS containing 0.02% sodium azide

Form	Liquid
Application Dilute	Optimal dilutions for each application to be determined by the researcher.
Application Notes	APRIL antibody can be used to recognize human APRIL by Flow Cytometry, immunocytochemistry and Western Blot. Method: 3 days after transfection of cells with the indicated constructs, cells were fixed with 4% formaldehyde 5 min at RT. After a wash in PBS, samples were dehydrated by washes in 60%, 80%, 90%, 100% EtOH and xylol. Cells were then dried and embedded in paraffin. Sections were cut, mounted on slides and dried overnight at 50°C. Slides were then successively washed 2x 10min in xylol, 2x 10min in 100% EtOH, and then treated 10 min in 100% MeOH/ 0.6% H2O2 to inhibit endogenous peroxidase. Samples were rehydrated by washes in 90%, 80%, 60% EtOH and PBS. After micro-wave treatment, slides were washed 3x in PBS, blocked with IgG, and incubated for 1 hour with 5 µg/mL Aprily-8 or control mouse IgG (isotype control) in 1%BSA / 1x PBS for 1 hour. After PBS washes, samples were incubated with the secondary Ab for 1 hour, washed in PBS and revealed with StreptABComplex/HRP (Vector) and AEC. Method: HEK 293 cells were mock transfected or transfected with an expression plasmid coding for human APRIL. Cells (5x10⁵) were incubated on ice for 30 min in 50 µl FACS buffer (PBS, 5% fetal calf serum, 0.02% azide) containing 10 µg/mL of Aprily-8 antibody. After washing in FACS buffer, FITC-conjugated antibody to mouse IgG was added. Cells were incubated on ice for 30 min, washed and analyzed by flow cytometry. Method: 10 µg of protein was applied to the gel, and revealed with Aprily-8 (1 µg/mL) and HRP-coupled anti-mouse secondary antibody (1:4,000). Note: The hAPRIL construct used in this experiment is an uncleavable fusion protein between hBAFF (aa 1-132) and hAPRIL (aa 93-233). This product is for research use only.