

## ATP1A1 Monoclonal Antibody (M8-P1-A3)

Product Details	
Size	100 µg
Species reactivity	Dog, Human, Mouse, Sheep, Pig, Rat
Published species	Bovine, Dog, Human, Invertebrate, Mouse, Non-human primate, Pig, Rat, Sheep, Yeast
Host / Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	M8-P1-A3
Conjugate	Unconjugated
Immunogen	Lamb kidney alpha 1 sodium/potassium ATPase.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C, Avoid Freeze/Thaw Cycles
RRID	AB_2061127

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1/20 - 1/100	-
Immunocytochemistry (ICC/IF)	1/50 - 1/200	8 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:100	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:2,000	-
Neutralization (Neu)	-	1 Publication
Western Blot (WB)	1:200-1:2,000	31 Publications

### Product Specific Information

MA3-929 detects sodium/potassium ATPase alpha 1 in sheep, canine, rat, mouse, human and porcine tissues. This antibody does not detect the alpha 1 isoform in Xenopus and chicken. MA3-929 does not detect the alpha 2 or alpha 3 isoform in rat.

MA3-929 has been successfully used in Western blot, immunofluorescence, immunocytochemistry, flow cytometry, and immunohistochemistry procedures. By Western blot, this antibody detects an ~110 kDa protein representing alpha 1 sodium/potassium ATPase from canine kidney extract. Immunohistochemical staining of sodium/potassium ATPase alpha 1 with MA3-929 yields a pattern consistent with plasma membrane localization. The MA3-929 antigen is sheep kidney alpha 1 sodium/potassium ATPase. This antibody recognizes an epitope between amino acid residues 496-506 of lamb kidney sodium/potassium ATPase.

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