BMPR2 Monoclonal Antibody (3F6F8)

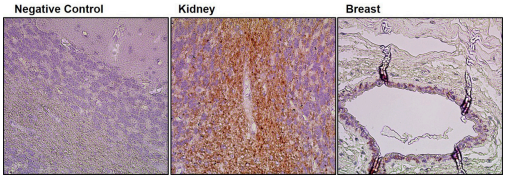
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3F6F8
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human BMPR2 expressed in E. Coli.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11156844

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	1:100-1:200	
Immunocytochemistry (ICC)	✓	1:100-1:200	
Immunofluorescence (IF)	✓	1:100-1:200	
Immunohistochemistry (Paraffin) (IHC (P))	✓	2-4 ug/mL	
Western Blot (WB)	✓	1:500-1:1000	

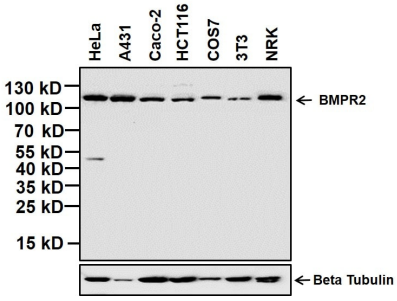
Product Specific Information

MA5-15827 targets BMPR2 in FACS, ICC/IF, IHC (P), and WB applications and shows reactivity with Human, mouse, Non-human primate, and rat samples.

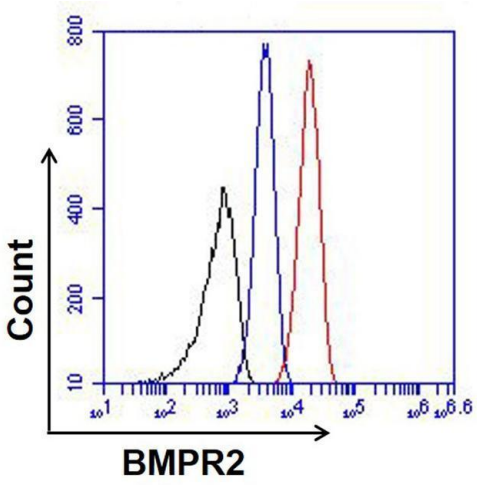
Product Images For BMPR2 Monoclonal Antibody (3F6F8)



BMPR2 Antibody (MA5-15827) in IHC
Immunohistochemistry was performed on human kidney and human breast tissue. Tissue was deparaffinized with xylene, followed by rehydration in sequential washes of 100% ethanol, 95% ethanol, 80% ethanol, and water. To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0) and heated for 20 min. Following antigen retrieval, tissues were blocked in a 10% goat serum (Product # 31872) in wash buffer solution for 30 minutes at room temperature and endogenous peroxidase activity quenched with Peroxidase Suppressor (Product # 35000). Tissue was then probed with a BMPR2 mouse monoclonal antibody (Product # MA5-15827) at a concentration of 2.5 µg/mL in 10% goat serum in wash buffer for 1 hour at room temperature in a humidified chamber. Negative control tissue received no primary antibody. Tissues were washed extensively with PBST, and detection was performed using a SuperBoost™ goat anti-mouse Poly HRP secondary antibody reagent (Product # B40961) followed by colorimetric detection using DAB Quanto (Product # TA-125-QHDX). Tissues were then counterstained with hematoxylin and prepped for mounting and imaging.



BMPR2 Antibody (MA5-15827) in WB
Western blot analysis of BMPR2 was performed by loading 20 µg of indicated whole cell lysates and 7 µL of PageRuler Prestained Protein Ladder (Product # 26616) per well onto a 4-20% Tris-Glycine polyacrylamide gel (Product # WT4202BX10). Proteins were transferred to a nitrocellulose membrane using the G2 Blotter (Product # 62288), and blocked with 5% Milk in TBST for 1 hour at room temperature. BMPR2 was detected at ~115 kDa using a mouse monoclonal antibody (Product # MA5-15827, upper) at a dilution of 1:500 in blocking buffer overnight at 4°C on a rocking platform. Beta Tubulin was detected using Beta Tubulin mouse monoclonal antibody (Product # MA5-16308, lower), followed by a Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 31430) at a dilution of 1:20000 for at least 30 minutes at room temperature. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34078).



BMPR2 Antibody (MA5-15827) in Flow
Flow cytometry analysis of BMPR2 was done on HeLa cells. The cells were fixed, permeabilized and stained with a BMPR2 mouse monoclonal antibody (Product # MA5-15827, red histogram) or Mouse IgG isotype control (Product # 31903, blue histogram) at a concentration of 4 µg/mL. Black histogram represents negative control unstained cell population. After incubation of the primary antibody on ice for an hour, the cells were stained with a Goat anti-Mouse IgG (H+L) Secondary Antibody, Dylight 680 conjugate (Product # 35519) at a dilution of 1:50 for at least 30 minutes on ice. A representative 10,000 cells were acquired for each sample.