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## Product Datasheet

### **Smooth Muscle Actin(ACTA2/791 +1A4), CF647 conjugate, 0.1mg/mL, Clone: [ACTA2/791 + 1A4], Mouse, Monoclonal BOT-BNC471203-100**

Article Name	Smooth Muscle Actin(ACTA2/791 +1A4), CF647 conjugate, 0.1mg/mL, Clone: [ACTA2/791 + 1A4], Mouse, Monoclonal
Biozol Catalog Number	BOT-BNC471203-100
Supplier Catalog Number	BNC471203-100
Alternative Catalog Number	BOT-BNC471203-100-100UL
Manufacturer	Biotium
Host	Mouse
Category	Antikörper
Application	IF, IHC
Species Reactivity	Human, Rat
Immunogen	N-Terminal decapeptide of alpha smooth muscle isoform of actin and conjugated to KLH (1A4), Recombinant full-length human ACTA2 protein (ACTA2/791)
Conjugation	CF647
Product Description	Actin is a major component of the cytoskeleton and is present in most cell types. It is highly specific to actin from smooth muscles. This MAb does not stain cardiac or skeletal muscle, however, it does stain myofibroblasts and myoepithelial cells. T...
Clonality	Monoclonal
Concentration	0.1 mg/mL

Clone Designation	[ACTA2/791 + 1A4]
Molecular Weight	42 kDa
UniProt	<a href="#">P62736</a>
Buffer	PBS, 0.1% BSA, 0.05% azide
Source	Animal
Application Notes	Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody Immunofluorescence: 0.5-1 ug/mL Immunohistology formalin-fixed 0.25-0.5 ug/mL Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes Flow Cytometry 0.5-1 ug/million cells/0.1 mL Predicted to show broad reactivity Optimal dilution for a specific application should be determined by user