

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### **Smooth Muscle Actin(ACTA2/791 +1A4), CF405S conjugate, 0.1mg/mL, Clone: [ACTA2/791 + 1A4], Mouse, Monoclonal BOT-BNC041203-100**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Smooth Muscle Actin(ACTA2/791 +1A4), CF405S conjugate, 0.1mg/mL, Clone: [ACTA2/791 + 1A4], Mouse, Monoclonal                                                                                                                                                  |
| Biozol Catalog Number      | BOT-BNC041203-100                                                                                                                                                                                                                                             |
| Supplier Catalog Number    | BNC041203-100                                                                                                                                                                                                                                                 |
| Alternative Catalog Number | BOT-BNC041203-100-100UL                                                                                                                                                                                                                                       |
| 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                | CF405S                                                                                                                                                                                                                                                        |
| 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 | <p>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</p> |