

# Immunotag™ Plant actin Monoclonal Antibody(Q30)

Antibody Specification	
Catalog No.	ITM3034
Product Description	Immunotag™ Plant actin Monoclonal Antibody(Q30)
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Actin
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB
Recommended Dilution	WB: 1:2000-5000
Concentration	1 mg/ml
Reactive Species	VariousPlants
Host Species	Mouse
Immunogen	Recombinant Protein of Plant actin
Specificity	The antibody detects endogenous plant actin protein.
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form	Liquid in PBS pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol
Description	Actin is a highly conserved protein and an essential component of cell cytoskeleton and plays an important role in cytoplasmic streaming, cell shape determination, cell division, organelle movement and extension growth. Preferentially expressed in young and expanding tissues, floral organ primordia, developing seeds and emerging inflorescence. Arabidopsis has a complex actin gene family that encodes six protein subclasses. One of the classes is represented by the proteins ACT2 and ACT8, which are similar proteins, but have different flanking sequences, introns and silent nucleotide positions in codons. ACT8 is expressed in root, stems, leaves, flowers, pollen and siliques.

**Antibody Specification**

Usage

For Research Use Only! Not for diagnostic or therapeutic procedures.