

Immunotag™ Rubisco (Large Chain) Monoclonal Antibody(3G7)

Antibody Specification	
Catalog No.	ITM3509
Product Description	Immunotag™ Rubisco (Large Chain) Monoclonal Antibody(3G7)
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	Rubisco
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB
Recommended Dilution	WB: 1:2000-5000
Concentration	1 mg/ml
Reactive Species	Plants
Host Species	Mouse
Immunogen	Protein
Specificity	Rubisco(Large Chain) protein detects endogenous levels of Rubisco(Large Chain)
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	Rubisco (Ribulose-1,5-bisphosphate carboxylase/oxygenase) catalyzes the rate-limiting step of CO ₂ fixation in photosynthetic organisms. It is demonstrably homologous from purple bacteria to flowering plants and consists of two protein subunits, each present in 8 copies. In plants and green algae, the large subunit (~55 kDa) is coded by the chloroplast rbcL gene, and the small subunit (15 kDa) is coded by a family of nuclear rbcS genes.
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.