

Product datasheet for **TA389003**

Mouse Monoclonal Antibody [Clone ID: 6F7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6F7
Applications:	ICC, IHC, WB
Recommended Dilution:	WB: 1:1000 ICC: 1:500-1:5000
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant protein from C-terminal region of Cas9 from Staphylococcus aureus.
Specificity:	Specific for the Staphylococcus aureus Cas9 protein.
Formulation:	PBS + 50% glycerol and 5 mm NaN ₃
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	53
Background:	CRISPR/Cas9 is a genome editing tool that makes possible the permanent alteration of genes by directing specifically designed RNA sequences complexed with the nuclease Cas9 to cleave DNA at any desired location allowing the deletion or addition of genes. Antibodies against Cas9 are very useful in the direct detection of the CRISPR/Cas9 complex. This antibody detects Cas9 from Staphylococcus aureus transfected into cells and shows no reactivity toward the Streptococcus pyogenes Cas9 protein (Ran et al., 2015).
Note:	Protein G purified culture supernatant.



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