OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA389146

Mouse Antibody [Clone ID: M050]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M050
Applications:	FC, ICC, IHC, IP, WB
Recommended Dilution:	**WB**: 1:5000 **ICC**: 1:100
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M050) was generated from a recombinant protein containing a C-terminal His-tag.
Specificity:	Clone M050 detects recombinant proteins with C-terminal His-tag epitope. The antibody binds 6 and 10 His-tag epitopes on the C-terminal side of a protein, but does not bind N-terminal His-tag epitopes. The antibody works for western blot, immunoprecipitation, immunocytochemistry, flow cytometry, and ELISA capture.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
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.

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Background: Epitope tagging (e.g. His-tag) is a technique in which a known epitope is fused to a recombinant protein using genetic engineering. By choosing a particular epitope and recombinant protein combination, epitope tagging makes it possible to detect proteins for which no antibody is available. The 6x His tag is a synthetic oligo peptide consisting of 6 consecutive histidine residues (HHHHHH). A variety of plasmids contain DNA that encodes an amino- or carboxy-terminal tag consisting of six histidine (6xHis) residues followed by an extended multiple cloning site. These plasmids facilitate expression of His-tagged recombinant proteins that can be isolated or purified by immobilized metal affinity chromatography. Anti-His Tag antibodies can be used to detect recombinant proteins with the His-Tag in many different immunoassays, including western blot, immunoprecipitation, immunocytochemistry, immunohistochemistry, flow cytometry, ELISA, and chromatin immunoprecipitation assays.

Note: Protein G purified tissue culture supernatant.