



Anti-His Tag (Mouse Monoclonal)

Catalogue No.:	M-1311-100
Description:	The 6X His tag is a short peptide sequence of 6 histidine residues. Epitopes such as the 6X His tag are often included with the target DNA at the time of cloning to produce fusion proteins containing the tag sequence. This allows anti-epitope tag antibodies such as this one to serve as a universal detection reagent for any recombinant protein containing this tag. Anti-epitope antibodies are a useful alternative to generating antibodies to identify a specific recombinant protein. The 6X His motif is often used as a tag on recombinant proteins to facilitate purification with immobilized metal-affinity chromatography.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Synthetic peptide containing 6 Histidine residues.
Isotype:	IgG2b
Produced in:	Mouse. Monoclonal clone number HIS.H8
Applications:	Western Blotting (WB), Immunocytochemistry (IC) and Immunoprecipitation (IP). Suggested starting dilutions are as follows: WB at dilutions of 1:1000, IC and IP at dilutions of 1:200. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	His-tagged fusion proteins
Form:	Liquid. PBS, pH 7.4 with 0.05% sodium azide.
Storage:	Stable for 1 year at -20C unopened. After opening we recommend aliquoting and storing at -20C for up to 6 months. Avoid repeated freezing and thawing. For maximum recovery of product, centrifuge the original vial after thawing and prior to opening the cap.
Expiry Date:	12 months after date of receipt, unopened.
Specific References:	<ol style="list-style-type: none">1. Dittmann K. et al (2010) 'Nuclear EGFR shuttling induced by ionizing radiation is regulated by phosphorylation at residue Thr654' FEBS Lett. 2010 Sep 24;584(18):3878-3884.2. Kolev M.V. et al (2010) 'Upregulating CD59: a new strategy for protection of neurons from complement-mediated degeneration Pharmacogenomics J. 2010 Feb;10(1):12-9.
References:	<ol style="list-style-type: none">1. Potala S. and Verma R.S. (2010) 'Targeting head and neck squamous cell carcinoma using a novel fusion toxin-diphtheria toxin/HN-1.' Mol Biol Rep. 2010 Aug 1.

FOR RESEARCH USE ONLY