

## Monoclonal Antibody to Histidine Tag - PE

<b>Alternate names:</b>	6xHis-Tag, HHHHHH Tag, HIS6 Tag, His Tag
<b>Catalog No.:</b>	SM1693R
<b>Quantity:</b>	1 ml
<b>Concentration:</b>	0.1 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	AD1.1.10
<b>Immunogen:</b>	PAX6 transcription factor linked to histidine tag. Spleen cells from immunised Balb/c mice were fused with cells of the mouse NS1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Restore with 1.0 ml distilled water
<b>Applications:</b>	Flow Cytometry: Use 10 ul of Neat-1/5 diluted antibody to label 1x10 <sup>6</sup> cells in 100 ul. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises proteins containing the motif H-H-H-H-H and is therefore of value in detecting proteins containing histidine tags. The antibody may be used to track the purification of proteins expressed in bacteria, yeast or insect cells. It reacts against all His tagged proteins so far tested. In Western blotting of bacterial extracts the antibody has been shown not to cross-react with any endogenous products, although some cross-reactivity may be seen with extracts of insect or mammalian cells.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Els Conrath K, Lauwereys M, Wyns L, Muyldermans S. Camel single-domain antibodies as modular building units in bispecific and bivalent antibody constructs. J Biol Chem. 2001 Mar 9;276(10):7346-50. Epub 2000 Oct 25. PubMed PMID: 11053416. 2. Bahi A, Boyer F, Kafri T, Dreyer JL. CD81-induced behavioural changes during chronic cocaine administration: in vivo gene delivery with regulatable lentivirus. Eur J Neurosci. 2004 Mar;19(6):1621-33. PubMed PMID: 15066158.