

Product datasheet for **SM1693F**

6xHistidine Epitope Tag (HHHHHH) Mouse Monoclonal Antibody [Clone ID: AD1.1.10]

Product data:

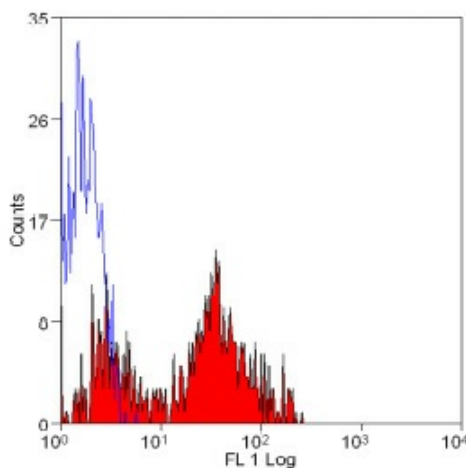
Product Type:	Primary Antibodies
Clone Name:	AD1.1.10
Applications:	FC, IF
Recommended Dilution:	Immunofluorescence. Flow Cytometry: Use 10 µl of 1/10 diluted antibody to label 1x10 ⁶ cells in 100 µl.
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	PAX6 transcription factor linked to histidine tag. Spleen cells from immunised Balb/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognises proteins containing the motif H-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. This antibody is routinely tested in Western blotting on Histidine tagged recombinant proteins and reacts against all Histidine-tagged proteins so far tested.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: FITC State: Liquid purified IgG fraction Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC



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- Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
- Stability:** Shelf life: one year from despatch.
- Background:** 6x-His tags are a type of tag for expressed proteins. This tag is made up of 6 histidine residues attached to either the N- or C-terminal of a protein. Proteins expressed with this type of tag are then traditionally purified using a divalent metal ion column. However, using an antibody specific to this 6x-His tag, the protein can be analyzed for by Western blot or immunofluorescence techniques, thus eliminating the need for a protein-specific antibody. 6x-His tags are particularly effective for the purification of protein expressed in E. coli systems.

Product images:



Human anti-human CD5 (HuCAL dHLX antibody with HIS tag) staining human peripheral blood lymphocytes, visualised with FITC conjugated Mouse anti-HIS tag antibody (SM1693F).