

Product datasheet for **SM1818A**

LOC100507703 Mouse Monoclonal Antibody [Clone ID: BB7.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BB7.2
Applications:	FC, FN, IHC, IP
Recommended Dilution:	Flow Cytometry: Use 10 µl of 10 µg/ml of diluted antibody to label 10 ⁶ cells or 100 µl whole blood. Immunoprecipitation. Functional Assays: 5-10 µg/ml (Inhibition of MHC restricted cytotoxicity). Immunohistochemistry on Frozen Sections. Recommended Positive Control: Tonsil tissue.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Papain solubilised HLA-A2. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognizes the Human HLA-A2 histocompatibility antigen. The epitope recognized by this antibody has been studied extensively and would appear to include the carboxy-terminus of the alpha-2 helix and a turn on one of the underlying beta strands. BB7.2 may be used for the Flow cytometric detection of HLA-A2 expression and has also been used for Immunoaffinity purification of HLA-A2 molecules. Functionally the antibody is reported to inhibit MHC restricted cellular cytotoxicity.
Formulation:	PBS without stabilizer or preservative State: Low Endotoxin State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A from tissue culture supernatant.
Conjugation:	Unconjugated



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Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<u>P01892</u>
Background:	Human leukocyte antigens are highly polymorphic proteins that are involved in the presentation of antigens to the T cell receptor. There are two classes of HLA antigens, class I (HLA A, HLA B and HLA C) and class II (HLA D).
Synonyms:	HLAA2, MHC class I antigen A-2