

Product datasheet for **SM1304R**

HLAB (HLA-B) Mouse Monoclonal Antibody [Clone ID: BB7.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BB7.1
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Papain solubilized HLA-B7 antigen.
Specificity:	This antibody binds to the HLA-B7 antigen and does not cross-react with HLA-B27 or other related HLA antigens. It can be used to distinguish true HLA-B27 positives from false HLA-B27 positives (i.e. HLA-B7 positive) in the investigation of such diseases as ankylosing spondylitis and anterior uveitis.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: PE State: Lyophilized purified IgG Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1 ml distilled water.
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	major histocompatibility complex, class I, B
Database Link:	Entrez Gene 3106 Human P01889



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Background: HLA B belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta 2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa. Hundreds of HLA B alleles have been described.

Synonyms: HLAB, MHC class I antigen B7