

## Product datasheet for **SM1222R**

### HLA Class I ABC Mouse Monoclonal Antibody [Clone ID: W6/32]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	W6/32
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 1x10 <sup>6</sup> cells or 100 µl whole blood. This product is routinely tested in flow cytometry on human peripheral blood lymphocytes.
Reactivity:	Bovine, Feline, Human, Monkey, Primate
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified human tonsil lymphocyte membranes. Spleen cells from immunised BALB/c mice were fused with cells of the NS1/1 - Ag4.1 mouse myeloma cell line.
Specificity:	Antibody SM1222R recognises an antigenic determinant shared among products of the HLA A, B and C loci. Clone W6/32 recognises a conformational epitope, reacting with HLA class I alpha-3 and alpha-2 domains (See Ishitani, A. et al. for details). MHC class I glycoproteins are found on the surface of almost all nucleated somatic cells.
Formulation:	PBS Label: PE State: Lyophilized purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA, 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1ml distilled water
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.



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- Background:** The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region. There are 3 major MHC class I proteins encoded by the HLA which are HLA A, HLA B and HLA C. These proteins are found on the surface of almost all nucleated somatic cells.
- Synonyms:** MHC class I ABC, HLA Class 2 ABC