

## Product datasheet for **SM078**

### MHC Class II I-Ab (monomorphic) Rat Monoclonal Antibody [Clone ID: IBL-3/5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IBL-3/5
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 50 µl of 1/5 diluted antibody to label 10 <sup>6</sup> cells in 100 µl. <b>Immunohistochemistry on Frozen Sections:</b> Neat. The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommend the use of acetone fixation for frozen sections.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	<i>In vivo</i> stimulated, purified mouse B cells. Spleen cells from an immunised Wistar rat were fused with cells of the SP2/0-Ag14 mouse myeloma cell line.
Specificity:	This antibody recognizes a monomorphic epitope present on murine MHC class II molecules, which are expressed by dendritic cells, B-cells and macrophages. This clone is reported to induce homotypic clustering of B cells <i>in vitro</i> . <b>Negative Species:</b> Human, Rat.
Formulation:	0.2M Tris/HCl pH7.4 containing 5-10% Foetal Calf Serum State: Supernatant State: Liquid Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P18468</a>



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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 mice, this complex is referred to as the histocompatibility 2 (H-2) region.

**Synonyms:** H2-Eb1, H-2 class II histocompatibility antigen I-A beta chain