

## Product datasheet for **SM082PS**

### MHC Class II RT1Bu Mouse Monoclonal Antibody [Clone ID: OX-3]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OX-3
<b>Applications:</b>	FC, IHC
<b>Recommended Dilution:</b>	Flow Cytometry: Use 10 µl of 1/100 diluted antibody to label 10e6 cells in 100 µl. This product is routinely tested in flow cytometry on Lewis rat splenocytes). Immunohistochemistry on Frozen and Paraffin Sections: This product does not require protein digestion pre-treatment of paraffin embedded sections e.g. trypsin or pronase prior to staining. This product does not require antigen retrieval using heat treatment methods prior to staining of paraffin sections.
<b>Reactivity:</b>	Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Rat thymocyte membrane glycoproteins. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
<b>Specificity:</b>	This antibody recognises a polymorphic determinant of rat Ia antigen (RT1.Bu) present on Lewis, Wistar and AO strain rats but not BN, DA or PVG/c strains. This antibody is useful for distinguishing Ia positive cells from different rat strains, e.g. for recognising cells of donor origin in bone marrow reconstituted radiation chimaeras. MRC OX-3 cross reacts with mouse strains of MHC haplotypes b and s, and analysis of recombinant mouse strains showed that the determinants mapped to the I-A region. This antibody recognises Ia antigens on B-cells, dendritic cells and certain epithelial cells.
<b>Formulation:</b>	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Ion Exchange Chromatography.
<b>Conjugation:</b>	Unconjugated



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**Storage:** Store the antibody 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:** [Q70RH8](#)