

Product datasheet for **SM082P**

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

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | OX-3 |
| Applications: | FC, IHC |
| Recommended Dilution: | Flow cytometry: 1/100, use 10 µl of the suggested working dilution 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. |
| Reactivity: | Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Rat thymocyte membrane glycoproteins. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line. |
| Specificity: | This antibody recognises a polymorphic determinant of rat Ia antigen (RT1Bu) present on Lewis, Wistar and AO strain rats but not BN, DA or PVG/c strains. It 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. |
| Formulation: | PBS, pH 7.4, containing 0.09% Sodium Azide and 1% Bovine Serum Albumin State: Purified State: Liquid purified IgG |
| Concentration: | lot specific |
| Purification: | Affinity chromatography |



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| Conjugation: | Unconjugated |
| 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: | <u>Q70RH8</u> |