ARG22768
anti-MHC Class II RT1Bu + L antibody [OX-3]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [OX-3] recognizes MHC Class II RT1Bu + L This antibody recognizes a polymorphic determinant of the Rat RT1B MHC class II antigen, reacting with haplotypes u and l. The literature reports reactivity with Lewis, Wistar and AO strain rats but not BN, DA or PVG/c strains. This antibody is useful for distinguishing RT1B positive cells from different Rat strains, e. G. for recognising cells of donor origin in bone marrow reconstituted radiation chimaeras. The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In rats, this complex is referred to as the RT1 region. In mice, this complex is referred to as the H-2 region. Mouse anti Rat MHC Class II RT1Bu/L antibody, clone OX-3 also cross reacts with mouse strains of the H-2 haplotypes b and s. Analysis of recombinant mouse strains has mapped the OX-3 determinant to the H-2I-A region. This product is routinely tested in flow cytometry on Lewis Rat splenocytes.
Tested Reactivity	Ms, Rat
Tested Application	FACS, IHC-Fr, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	OX-3
Isotype	IgG1
Target Name	MHC Class II RT1Bu + L
Species	Rat
Immunogen	Rat thymocyte membrane glycoproteins.
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
FACS	1:100
IHC-Fr	Assay-dependent
IHC-P	Assay-dependent

Application Note

FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl.
IHC: This product does not require protein digestion pre-treatment of paraffin embedded sections e.g. trypsin or pronase prior to staining.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid

Purification	Purification by Ion Exchange chromatography.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.