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Datasheet for ABIN133227 **anti-RT1-BB antibody (PE)**

Overview

Quantity:	50 µg
Target:	RT1-BB
Reactivity:	Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RT1-BB antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Rat thymocyte membrane glycoprotein . Fusion Partner: P3-NS1-1-Ag4 (NS1/1) . Donor: BALB/c spleen
Clone:	OX-3
Isotype:	IgG1
Specificity:	Rat RT1.Bu (Rat Ia-polymorphic)
Purification:	Purified from ascitic fluid via Protein G Chromatography.

Target Details

Target:	RT1-BB
Alternative Name:	RT1.B (RT1-BB Products)
Background:	Anti-rat RT1.Bu monoclonal antibody recognizes a polymorphic determinant on rat Ia present

Target Details

on Lewis, Wistar, and AO rat strains (although it is apparently expressed in lower amounts in AO rats) but not BN, ACI, DA, or PVG/ c strains (1,2). This antibody also cross-reacts with mouse strains (MHC haplotypes b and s) and analysis of recombinant mouse strains shows that the determinant maps to the I-A region and correlates with mouse Ia specificity 9 (1).

ABIN133227 recognizes Ia antigens on approximately 18% of thymocytes but does not significantly label the majority of peripheral T lymphocytes (1,3,4). Thus, ABIN133227 is particularly useful for distinguishing Ia positive cells from different rat strains and has been used in the recognition of cells of donor origin in bone marrow reconstituted radiation chimeras (3,4).

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Restrictions: For Research Use only

Handling

Concentration: 0.1 mg/ml

Buffer: R-PE conjugated Ig buffered in PBS, 0.02% NaN and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. (Purified from ascitic fluid via Protein G Chromatography)

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C