ARG44031
anti-TCR gamma + TCR delta antibody [11F2] (APC)

Package: 100 tests
Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal recognizes Monoclonal antibody [11F2] TCR gamma + TCR delta
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	11F2
Isotype	IgG1
Target Name	TCR gamma + TCR delta
Species	Human
Immunogen	Purified CD3 antigen complex
Conjugation	APC
Alternate Names	TCR gamma: TCRG TCR delta: TCRD; TCRDV1

Application Instructions

Application table

Application	Dilution
FACS	1:10

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

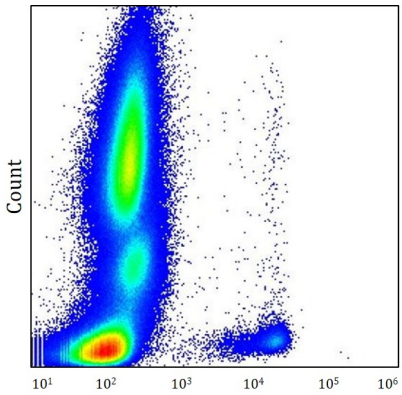
Form	Liquid
Purification	Purified
Buffer	PBS (pH 7.4) and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 4°C. Keep protected from prolonged exposure to light. Do not freeze. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TRG; TRD

Gene Full Name	T cell receptor gamma locus; T cell receptor delta locus
Background	TCR gamma: T cell receptors recognize foreign antigens which have been processed as small peptides and bound to major histocompatibility complex (MHC) molecules at the surface of antigen presenting cells (APC). Each T cell receptor is a dimer consisting of one alpha and one beta chain or one delta and one gamma chain. In a single cell, the T cell receptor loci are rearranged and expressed in the order delta, gamma, beta, and alpha. If both delta and gamma rearrangements produce functional chains, the cell expresses delta and gamma. If not, the cell proceeds to rearrange the beta and alpha loci. This region represents the germline organization of the T cell receptor gamma locus. The gamma locus includes V (variable), J (joining), and C (constant) segments. During T cell development, the gamma chain is synthesized by a recombination event at the DNA level joining a V segment with a J segment; the C segment is later joined by splicing at the RNA level. Recombination of many different V segments with several J segments provides a wide range of antigen recognition. Additional diversity is attained by junctional diversity, resulting from the random addition of nucleotides by terminal deoxynucleotidyltransferase. Several V segments of the gamma locus are known to be incapable of encoding a protein and are considered pseudogenes. Somatic rearrangement of the gamma locus has been observed in T cells derived from patients with T cell leukemia and ataxia telangiectasia. [provided by RefSeq, Jul 2008]

Images



ARG44031 anti-TCR gamma + TCR delta antibody [11F2] (APC) FACS image

Flow Cytometry: Human whole blood stained with ARG44031 anti-TCR gamma + TCR delta antibody [11F2] (APC) at 10 µl / 100 µl whole blood dilution.