

Mouse TCR gamma/delta Antibody | anti-TCRgamma/delta antibody

Anti-Hu TCR gamma/delta PerCP-Cy5.5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129320	Mouse	Human, Non-human primates	Flow Cytometry, Functional Assay

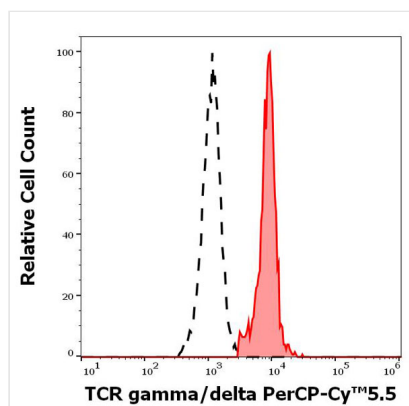
PRODUCT SYNONYMS

TCR gamma/delta; Anti-Hu TCR gamma/delta PerCP-Cy5.5; TCRG/D; anti-TCRgamma/delta antibody

PRODUCT SPECIFICATIONS

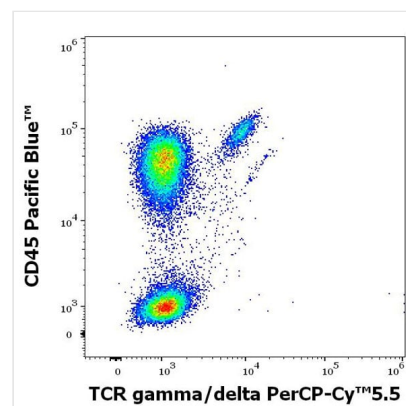
Host	Mouse
Reactivity	Human, Non-human primates
Isotype	Mouse IgG1 kappa
Clone Number	B1
Specificity	The mouse monoclonal antibody B1 (also known as B1.1) recognizes an extracellular epitope of TCR gamma/delta, the subtype of T cell receptor expressed mainly in epithelial tissues and at the sites of infection.
Purity/Purification	Purified antibody is conjugated with activated tandem dye of activated Peridinin-Chlorophyll Protein-Cyanine 5.5 (PerCP-Cy5.5) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-TCRgamma/delta antibody	FCM/FACS (Flow Cytometry)
Conjugation	PerCP-Cy5.5
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



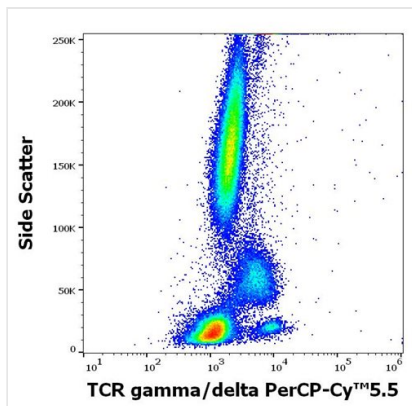
FCM/FACS (Flow Cytometry)

Separation of human TCR gamma/delta positive CD3 positive T cells (red-filled) from TCR gamma/delta negative CD3 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human TCR gamma/delta (B1) PerCP-Cy5.5 antibody (4ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD3 (UCHT1) Pacific Blue antibody (4ul reagent/100ul of peripheral whole blood) and anti-human TCR gamma/delta (B1) PerCP-Cy5.5 antibody (4ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human TCR gamma/delta (B1) PerCP-Cy5.5 antibody (4ul reagent/100ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-TCRgamma/delta antibody	The antigen-specific T cell receptor (TCR) is composed of either alpha and beta subunit, or gamma and delta subunit. Majority of T cells present in the blood, lymph and secondary lymphoid organs express TCR alpha/beta heterodimers, whereas the T cells expressing TCR gamma/delta heterodimers are localized mainly in epithelial tissues and at the sites of infection. The subunits of TCR heterodimers are covalently bonded and in the endoplasmic reticulum they associate with CD3 subunits to form functional TCR-CD3 complex. Lack of expression of any of the chains is sufficient to stop cell surface expression.
References	*Pollinger B, Junt T, Metzler B, Walker UA, Tyndall A, Allard C, Bay S, Keller R, Raulf F, Di Padova F, O'Reilly T, Horwood NJ, Patel DD, Littlewood-Evans A: Th17 cells, not IL-17+ ?? T cells, drive arthritic bone destruction in mice and humans. J Immunol. 2011, 186:2602-2612., URL: http://www.jimmunol.org/content/186/4/2602.long ,*Bordignon M, Belloni Fortina A, Pigozzi B, Alaibac M: ?? T cells as potential contributors to the progression of parapsoriasis to mycosis fungoides. Mol Med Rep. 2008 Jul-Aug;1(4):485-8., URL: http://www.ncbi.nlm.nih.gov/pubmed/?term=bordignon+m+2008+1%3A485 ,*Correia DV, Fogli M, Hudspeth K, da Silva MG, Mavilio D, Silva-Santos B: Differentiation of human peripheral blood V?1+ T cells expressing the natural cytotoxicity receptor NKp30 for recognition of lymphoid leukemia cells. Blood. 2011 Jul 28;118(4):992-1001., URL: https://pubmed.ncbi.nlm.nih.gov/21633088/ ,*Lehmann FS, Terracciano L, Carena I, Baeriswyl C, Drewe J, Tornillo L, De Libero G, Beglinger C: In situ correlation of cytokine secretion and apoptosis in Helicobacter pylori-associated gastritis. Am J Physiol Gastrointest Liver Physiol. 2002 Aug;283(2):G481-8., URL: https://pubmed.ncbi.nlm.nih.gov/12121897/ ,*Rodríguez-Gago M, de Heredia A, Ramírez P, Parrilla P, Aparicio P, Yélamos J: Human anti-porcine gammadelta T-cell xenoreactivity is inhibited by human FasL expression on porcine endothelial cells. Transplantation. 2001 Aug 15;72(3):503-9., URL: http://www.ncbi.nlm.nih.gov/pubmed/?term=rodriguez-gago+m+2001+72%3A503,

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-tcrgamma-delta-human-primate-antibody/tcr-gamma-delta/129320>