Datasheet for ABIN2689882

anti-PTCRA antibody

6 Publications

Go to Product page

Overview

Quantity:	0.1 mg
Target:	PTCRA
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunoprecipitation (IP), Flow Cytometry (FACS)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Recombinant extracellular (Ig-like) domain of pTalpha
Clone:	2F5
Isotype:	IgG1 kappa
Characteristics:	At very early stages in the intrathymic differentiation of T lymphocytes which will bear αβ T Cell Receptors (TCR), the TCR β chain forms a heterodimer with the pre-TCR α chain (pTα) to form the pre-TCR. This pre-TCR associates with the signal-transducing CD3 complex and controls the survival and proliferation of CD4- CD8- (DN) thymocytes, plays a role in allelic exclusion of the TCR β chain, directly or indirectly regulates TCR δ chain expression, and is eventually replaced by the TCR α chain as thymocytes mature. The 2F5 antibody reacts with the PTα on the surface of CD44- CD25-/lo DN thymocytes. BD Pharmingen™ Purified Mouse Anti-Mouse Pre-T Cell Receptor α Chain - Purified - Clone 2F5 - Isotype Mouse IgG1, κ - Reactivity Ms - 0.1 mg

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	PTCRA
Alternative Name:	Pre-T Cell Receptor alpha Chain (PTCRA Products)
Background:	Synonyms: pTα
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
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
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:	Vicari, Zlotnik: "Mouse NK1.1+ T cells: a new family of T cells." in: **Immunology today**, Vol. 17, Issue 2, pp. 71-6, (1996) (PubMed). Bendelac, Killeen, Littman, Schwartz: "A subset of CD4+ thymocytes selected by MHC class I molecules." in: **Science (New York, N.Y.)**, Vol. 263, Issue 5154, pp. 1774-8, (1994) (PubMed). Saint-Ruf, Ungewiss, Groettrup, Bruno, Fehling, von Boehmer: "Analysis and expression of a cloned pre-T cell receptor gene." in: **Science (New York, N.Y.)**, Vol. 266, Issue 5188, pp. 1208-12

, (1994) (PubMed).

Groettrup, von Boehmer: "T cell receptor beta chain dimers on immature thymocytes from normal mice." in: **European journal of immunology**, Vol. 23, Issue 6, pp. 1393-6, (1993) (PubMed).

Lefrancois: "Phenotypic complexity of intraepithelial lymphocytes of the small intestine." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 147, Issue 6, pp. 1746-51, (1991) (PubMed).

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