

Datasheet for ABIN2689823

anti-LY6D antibody**6** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	LY6D
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Cytotoxicity Test (CyTox), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP)

Product Details

Brand:	BD Pharmingen™
Immunogen:	BALB/c mouse plasmacytoma MOPC-104E
Clone:	49
Isotype:	IgG2c kappa
Characteristics:	<p>The 49-H4 antibody reacts with the ThB antigen (Ly-6D), which is a 15- kDa GPI-anchored protein of the Ly-6 multigene family. ThB has been detected on cortical thymocytes, small slg- Thy-1- and slg+ lymphoid cells in the bone marrow, thymic medullary epithelial cells, all epidermal layers (except the stratum corneum), and on peripheral B lymphocytes, but not on peripheral T lymphocytes. It has been noted that there is strain-to-strain variation in the expression of the ThB antigen on splenic B cells, those of strains with the Ly-6.2 haplotype (e.g., AKR, C57BL, DBA/2, SJL, SWR) stain more intensely with anti- ThB reagents than those of Ly-6.1 strains (e.g., A, BALB/c, CBA, C3H/He, NZB), and B cells of hybrids of Ly-6.1 and Ly-6.2 strains stain with intermediate intensity. The proportions of the ThB+ B cells and thymocytes do</p>

Product Details

not differ significantly among strains.

BD Pharmingen™ Purified Rat Anti-Mouse Ly-6D - Purified - Clone 49-H4 - Isotype Rat IgG2c, κ -
Reactivity Ms - 0.1 mg

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

Target Details

Target: LY6D

Alternative Name: Ly-6D ([LY6D Products](#))

Background: Synonyms: ThB

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](#)).

There are more publications referencing this product on: [Product page](#)