

Cd8a monoclonal antibody, clone 53-6.7 (APC)

Catalog # MAB5130

Size 100 ug

Specification

Product Description	Rat monoclonal antibody raised against native Cd8a.
Immunogen	Native purified Cd8a from mouse spleen cells.
Host	Rat
Theoretical MW (kDa)	32-34
Reactivity	Mouse
Specificity	This antibody recognizes mouse CD8a (32-34 KDa; alpha chain of the CD8 antigen).
Form	Liquid
Conjugation	APC
Concentration	0.1 mg/mL
Isotype	IgG2a
Recommend Usage	Flow Cytometry (3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — Cd8a

Entrez GeneID	12525
Gene Name	Cd8a
Gene Alias	BB154331, Ly-2, Ly-35, Ly-B, Lyt-2
Gene Description	CD8 antigen, alpha chain
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Lyt-2.1 lymphocyte differentiation antigen (AA at 100)

Publication Reference

- [Development, alteration and real time dynamics of conjunctiva-associated lymphoid tissue.](#)

Siebelmann S, Gehlsen U, Huttmann G, Koop N, Bolke T, Gebert A, Stern ME, Niederkorn JY, Steven P.
Plos One 2013 Dec; 8(12):e82355.

Application: IHC, Mouse, Lymphoid tissue
- [Suppression of alkali burn-induced corneal neovascularization by dendritic cell vaccination targeting VEGF receptor 2.](#)

Mochimaru H, Usui T, Yaguchi T, Nagahama Y, Hasegawa G, Usui Y, Shimmura S, Tsubota K, Amano S, Kawakami Y, Ishida S.
Investigative Ophthalmology & Visual Science 2008 May; 49(5):2172.

Application: Func, Mouse, Mouse T cells
- [IL-2 in vivo activities and antitumor efficacy enhanced by an anti-IL-2 mAb.](#)

Kamimura D, Sawa Y, Sato M, Agung E, Hirano T, Murakami M.
Journal of Immunology 2006 Jul; 177(1):306.

Application: Flow Cyt, Mouse, Mouse T cells
- [Directed antigen delivery as a vaccine strategy for an intracellular bacterial pathogen.](#)

Bouwer HG, Alberti-Segui C, Montfort MJ, Berkowitz ND, Higgins DE.
PNAS 2006 Mar; 103(13):5102.

- [alpha-Galactosylceramide can act as a nasal vaccine adjuvant inducing protective immune responses against viral infection and tumor.](#)

Ko SY, Ko HJ, Chang WS, Park SH, Kweon MN, Kang CY.

Journal of Immunology 2005 Sep; 175(5):3309.

Application: Flow Cyt, Mouse, Mouse T cells

- [Beta2 integrins are required for skin homing of primed T cells but not for priming naive T cells.](#)

Grabbe S, Varga G, Beissert S, Steinert M, Pendl G, Seeliger S, Bloch W, Peters T, Schwarz T, Sunderkotter C, Scharffetter-Kochanek K.

The Journal of Clinical Investigation 2002 Jan; 109(2):183.

Application: Flow Cyt, IHC, Human, Mouse, LN cells, Mouse ears, T cells