ProSci

prosci-inc.com



HIGH PERFORMANCE ANTIBODIES ... AND MORE

ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

CD83 Antibody [HB15e] (PE)

CATALOG NUMBER: 76-316

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The HB15e monoclonal antibody specifically reacts with human CD83, a 43kDA single chain type I glycoprotein also known as HB15.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION:	5 uL (1.0 ug) / test
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	PE

Additional Info

ALTERNATE NAMES:	BL11, HB15, CD83
OFFICIAL SYMBOL:	CD83
GENE ID:	9308

Background

BACKGROUND:	The HB15e monoclonal antibody specifically reacts with human CD83, a 43kDA single chain type I glycoprotein also known as HB15. A useful marker for mature human dendritic cells, it is also expressed on some activated lymphocytes. CD83's precise role has not been deduced, but it is thought to be involved in antigen presentation.
REFERENCES:	1) Schlossman, S. F. (1995).Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.
	2) Zhou, L. J., Schwarting, R., Smith, H. M., Tedder, T. F. (1992). A novel cell-surface molecule expressed by human interdigitating reticulum cells, Langerhans cells, and activated lymphocytes is a new member of the Ig superfamily.The Journal of Immunology,149(2), 735-742.
	3) Zhou, L. J., Tedder, T. F. (1995). Human blood dendritic cells selectively express CD83, a member of the immunoglobulin superfamily.The Journal of Immunology,154(8), 3821-3835.

FOR RESEARCH USE ONLY