

Technical Data Sheet

Purified Mouse Anti-Rabbit CD4

Product Information

Material Number:	553625
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	KEN-4
Immunogen:	Japanese White rabbit thymocytes
Isotype:	Mouse (BALB/c) IgG2a, κ
Reactivity:	QC Testing: Rabbit
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The KEN-4 antibody reacts with an antigen identified as CD4 on the majority of thymocytes and a subset of peripheral T lymphocytes. mAb KEN-4 immunoprecipitates, from thymocyte lysate, a major band of 50 kDa and a 42-kDa minor band under both reducing and non-reducing conditions. It also blocks the proliferative response of mesenteric lymph node cells to allogeneic splenocytes.

Preparation and Storage

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

Store undiluted at 4°C.

Application Notes

Application

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Reported
Immunoprecipitation	Reported
Blocking	Reported

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Kotani M, Yamamura Y, Tamatani T, Kitamura F, Miyasaka M. Generation and characterization of monoclonal antibodies against rabbit CD4, CD5 and CD11a antigens. *J Immunol Methods*. 1993 January; 157(1-2):241-252.(Immunogen: Blocking, Immunohistochemistry, Immunoprecipitation)

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2008 BD

