Technical Data Sheet

FITC Mouse Anti-Rat CD25

Product Information

Material Number:	**561783**
Alternate Name:	IL-2R α Chain
Size:	50 µg
Concentration:	0.5 mg/ml
Clone:	OX-39
Immunogen:	Rat T blasts from mixed-lymphocyte reactions
Isotype:	Mouse (BALB/c) IgG1, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The OX-39 antibody reacts with the α chain of the IL-2 receptor on T lymphoblasts and thymic and splenic dendritic cells. CD25 has also been detected on rat intestinal epithelial cells. It has been reported that OX-39 mAb weakly blocks binding of IL-2 to T-cell blasts and that it blocks IL-2 stimulated epithelial cell migration in an in vitro model of wound healing.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Application Notes

Application

Flow cytometry	Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
550616	FITC Mouse IgG1, κ Isotype Control	0.25 mg	MOPC-31C
554656	Stain Buffer (FBS)	500 ml	(none)

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. 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.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
5. An isotype control should be used at the same concentration as the antibody of interest.
6. Use of these products to measure activation antigens expressed on mononuclear cell subsets for the purpose of monitoring immunoregulatory status can fall under one or more claims of the following patents: US Patent Nos. 5,445,939, 5,656,446, 5,843,689; European Patent No. 319,543; Canadian Patent No. 1,296,622; Australian Patent No. 615,880; and Japanese Patent No. 2,769,156.

References

Dignass AU, Podolsky DK. Interleukin 2 modulates intestinal epithelial cell function in vitro. *Exp Cell Res.* 1996; 225(2):422-429. (Clone-specific: Blocking)

Josien R, Heslan M, Soulillou JP, Cuturi MC. Rat spleen dendritic cells express natural killer cell receptor protein 1 (NKR-P1) and have cytotoxic activity to select targets via a Ca2+-dependent mechanism. *J Exp Med.* 1997; 186(3):467-472. (Clone-specific)

Paterson DJ, Jefferies WA, Green JR. Antigens of activated rat T lymphocytes including a molecule of 50,000 Mr detected only on CD4 positive T blasts. *Mol Immunol.* 1987; 24(12):1281-1290. (Immunogen: Blocking)

Tellides G, Dallman MJ, Kupiec-Weglinski JW, Diamantstein T, Morris PJ. Functional blocking of the interleukin-2 receptor (IL-2R) may be important in the efficacy of IL-2R antibody therapy. *Transplant Proc.* 1987; 19(5):4231-4233. (Clone-specific: Blocking)

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