

Technical Data Sheet

FITC Mouse Anti-Rat CD44H

Product Information

Material Number:	550974
Alternate Name:	Pgp-1, H-CAM, CD44s
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	OX-49
Immunogen:	Rat T blasts from mixed lymphocyte reactions
Isotype:	Mouse (BALB/c) IgG2a, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The OX-49 antibody reacts with the glycoprotein CD44H (also known as CD44s) expressed on most leukocytes, except for a subset of B lymphocytes, and at greatly increased levels on T- and B-cell blasts. The epitope recognized by OX-49 antibody has been mapped to a region on both the standard, CD44s, and the splice variant, CD44v, isoforms of CD44. However, recent reports indicate that OX-49 antibody cannot detect the CD44v isoform, possibly due to conformational changes in the epitope. CD44 is a cell adhesion receptor, and its ligand, hyaluronate, is a common component of extracellular matrices.

Preparation and Storage

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.

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

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
553456	FITC Mouse IgG2a, κ Isotype Control	0.25 mg	G155-178

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.

References

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