

## Technical Data Sheet

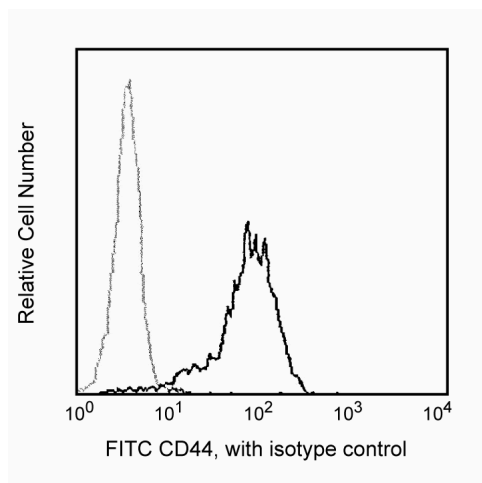
## FITC Mouse Anti-Human CD44

## Product Information

<b>Material Number:</b>	<b>560977</b>
<b>Alternate Name:</b>	Phagocytic glycoprotein 1; Pgp-1; H-CAM; Hermes; ECMR III; HUTCH-1
<b>Size:</b>	25 tests
<b>Vol. per Test:</b>	20 µl
<b>Clone:</b>	G44-26 (also known as C26)
<b>Isotype:</b>	Mouse IgG2b, κ
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	VI A092
<b>Storage Buffer:</b>	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

## Description

The G44-26 monoclonal antibody specifically binds to the 80-95 kDa, glycosylated type I transmembrane protein, also known as phagocytic glycoprotein-1 (Pgp-1). CD44 is the receptor for hyaluronic acid. CD44 is expressed on leucocytes, erythrocytes, epithelial cells and weakly on platelets. CD44 is also called extracellular matrix receptor type III and has functional roles in cell migration, lymphocyte homing and adhesion during hematopoiesis and lymphocyte activation. This antibody is suitable for staining formalin-fixed, paraffin-embedded tissue sections using citrate buffer pretreatment. This antibody recognizes the epitope 1 of CD44 antigen according to the HLDA workshop studies.



*Profile of peripheral blood lymphocytes collected on a FACScan (BDIS, San Jose, CA).*

## 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
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## Suggested Companion Products

Catalog Number	Name	Size	Clone
555742	FITC Mouse IgG2b κ Isotype Control	100 tests	27-35

## Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use  $1 \times 10^6$  cells in a 100-µl experimental sample (a test).
2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

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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. Please refer to [www.bdbiosciences.com/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.

## References

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- Günthert U. CD44: a multitude of isoforms with diverse functions. *Curr Top Microbiol Immunol.* 1993; 184:47-63. (Biology)
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