Technical Data Sheet

Purified Mouse Anti-Rat Granulocytes

Product Information

Material Number:	**554905**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	HIS48
Immunogen:	Not reported
Isotype:	Mouse IgM, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The HIS48 antibody reacts with an antigen found on all granulocytes. It is also found on cells of the erythroid lineage at various stages of maturation in bone marrow.

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	Tested During Development
Immunohistochemistry-zinc-fixed	Reported
Immunohistochemistry-formalin (antigen retrieval required)	Reported

Recommended Assay Procedure:
Other applications include immunohistochemical staining of acetone-fixed frozen, formalin- or zinc-fixed paraffin-embedded, and plasticembedded sections.

Suggested Companion Products

Catalog Number	Name	Size	Clone
553472	Purified Mouse IgM, κ Isotype Control	0.5 mg	G155-228
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

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

Badger DA, Sauer JM, Hoglen NC, Jolley CS, Sipes IG. The role of inflammatory cells and cytochrome P450 in the potentiation of CCl4-induced liver injury by a single dose of retinol. *Toxicol Appl Pharmacol.* 1996; 141(2):507-519.(Clone-specific: Immunohistochemistry)
Kudo C, Araki A, Matsushima K, Sendo F. Inhibition of IL-8-induced W3/25+ (CD4+) T lymphocyte recruitment into subcutaneous tissues of rats by selective depletion of in vivo neutrophils with a monoclonal antibody. *J Immunol.* 1991; 147(7):2196-2201.(Clone-specific: Depletion)
Sekiya S, Gotoh S, Yamashita T, Watanabe T, Saitoh S, Sendo F. Selective depletion of rat neutrophils by in vivo administration of a monoclonal antibody. *J Leukoc Biol.* 1989; 46(2):96-102.(Clone-specific: Depletion)
van Goor H, Fidler V, Weening JJ, Grond J. Determinants of focal and segmental glomerulosclerosis in the rat after renal ablation. Evidence for involvement of macrophages and lipids. *Lab Invest.* 1991; 64(6):754-765.(Clone-specific: Immunohistochemistry)

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