

Technical Data Sheet

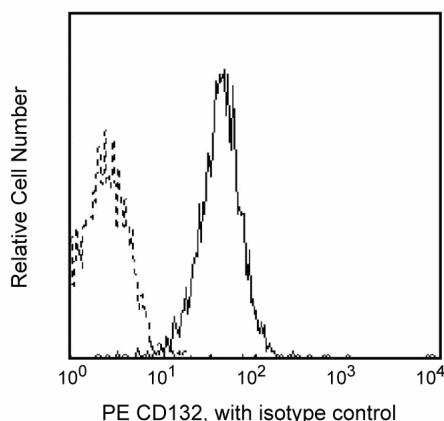
PE Rat Anti-Human CD132

Product Information

Material Number:	555898
Alternate Name:	common γ chain
Size:	0.2 mg
Concentration:	0.2 mg/ml
Clone:	TUGh4
Isotype:	Rat IgG2b, κ
Reactivity:	QC Testing: Human Tested in Development: Dog
Workshop:	VI C-89
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

This antibody reacts with the 65-70 kDa common γ subunit (γ_c) shared by the IL-2, IL-4, IL-7, IL-9, and IL-15 receptors. The γ_c receptor is a glycoprotein expressed by most peripheral T and B lymphocytes, NK cells, monocytes, and granulocytes. The cytoplasmic domain of the γ_c chain plays an important role in cytokine-mediated signal transduction. By immunofluorescent staining and flow cytometric analysis, the TUGh4 antibody has been shown to specifically recognize human γ_c expressed by cell lines, including human γ_c gene-transfected cell lines, which are known to express the human γ_c chain. Clone TUGh4 recognizes a different epitope from clone AG184 (Cat. No. 555900).



Profile of peripheral blood lymphocytes analyzed on a FACSscan (BDIS, San Jose, CA)

Preparation and Storage

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

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were 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
555848	PE Rat IgG2b, κ Isotype Control	100 tests	R35-38

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. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
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.

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References

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