

## Technical Data Sheet

**FITC Mouse Anti-Rat Ig, κ Light Chain****Product Information**

|                         |  |
|-------------------------|--|
| <b>Material Number:</b> | 553872   |
| <b>Size:</b>            | 0.5 mg   |
| <b>Concentration:</b>   | 0.5 mg/ml  |
| <b>Clone:</b>           | MRK-1  |
| <b>Immunogen:</b>       | Pooled rat Ig  |
| <b>Isotype:</b>         | Mouse IgG1   |
| <b>Reactivity:</b>      | QC Testing: Rat  |
| <b>Storage Buffer:</b>  | Aqueous buffered solution containing protein stabilizer and ≤0.09% sodium azide. |

**Description**

The MRK-1 antibody reacts specifically with rat Igs bearing κ light chain. It does not react with λ light chain or heavy chains. MRK-1 antibody is effective for detection of cell-surface Ig by immunofluorescent staining with flow cytometric analysis. It has not been shown to stimulate B-cell proliferation.

**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 |
|----------------|------------------|

**Recommended Assay Procedure:**

FITC-conjugated MRK-1 mAb may be used as a primary or secondary reagent in immunofluorescent staining.

**Product Notices**

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. 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.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at [www.bdbiosciences.com/colors](http://www.bdbiosciences.com/colors).
4. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

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