Mouse Monoclonal to CD19

**Description**
The CD19 antigen (95kDa) is expressed from the earliest stage of B progenitor development, on all peripheral B cells including germinal centre B cells, and all B cell lines and B cell leukaemia tested. T cell and monocytic cell lines are negative and the antigen is lost on B cell maturation to plasma cells. The antigen is a type I integral membrane glycoprotein whose in vitro inhibition will influence B cell activation and proliferation.

**Specification**
- **Entrez Gene ID**: 930
- **Aliases**: B4; MGC12802
- **Clone#**: 2.00E+02
- **MW**: 61kDa
- **Host/Isotype**: Mouse IgG1
- **Species Reactivity**: Human
- **Immunogen**: Purified recombinant fragment of human CD19 expressed in E. Coli.
- **Formulation**: Ascitic fluid containing 0.03% sodium azide.

**Application**
- **WB**: N/A
- **IHC**: N/A
- **ICC**: 1/200 - 1/1000
- **FCM**: 1/200 - 1/400
- **ELISA**: 1/10000

**References**

**Protocol**
- **WB**: [Link to WB protocol](www.promab.com/protocol/wb.html)
- **IHC**: [Link to IHC protocol](www.promab.com/protocol/ihc.html)
- **ICC**: [Link to ICC protocol](www.promab.com/protocol/icc.html)
- **FCM**: [Link to FCM protocol](www.promab.com/protocol/hcm.html)

**Antigen Sequence** is available upon request.

**Order Information**
- **Catalog#**: 30039
- **Size/Concentration**: 100µl
- **Storage**: 4°C; -20°C for long term storage

For Research Only
**Applications Key**: WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay

**Protocols**
- WB - [Link to WB protocol](www.promab.com/protocol/wb.html)
- IHC - [Link to IHC protocol](www.promab.com/protocol/ihc.html)
- ICC - [Link to ICC protocol](www.promab.com/protocol/icc.html)
- FCM - [Link to FCM protocol](www.promab.com/protocol/hcm.html)

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Figure 1: Flow cytometric analysis of Raji cells using CD19 mouse mAb (green) and negative control (purple).

Figure 2: Immunofluorescence analysis of HL-60 (left) and K562 (right) cells using CD19 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.