

Product datasheet for **AM20190FC-N**

CD30 (TNFRSF8) Mouse Monoclonal Antibody [Clone ID: Ber-H2]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | Ber-H2 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: 5-10 µg/mL (final concentration). Detailed procedure is provided in Protocols . |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Co cell line cells |
| Specificity: | This antibody reacts with CD30 on Flow Cytometry. |
| Formulation: | PBS containing 5% BSA and 0.09% Sodium Azide Label: FITC State: Liquid purified IgG fraction. |
| Concentration: | lot specific |
| Purification: | Protein-A Agarose Chromatography of hybridoma supernatant. |
| Conjugation: | FITC |
| Storage: | Store the antibody undiluted at 2-8°C. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | tumor necrosis factor receptor superfamily member 8 |
| Database Link: | Entrez Gene 943 Human P28908 |



[View online »](#)

Background: CD30, also known as Ki-1, TNFRSF8, or Be-H2, is a 120 kDa glycoprotein expressed on the surface of mitogen-activated B-cells and T-cells but not on resting lymphocytes or monocytes. CD30 is also a marker for Hodgkin and Sternberg-Reed cells of Hodgkin's lymphomas and related hematologic malignancies. Soluble forms of CD30 have been found in the serum of patients with adult T-cell leukemia or other CD30+ lymphomas. The CD30 ligand, CD153, is a type II transmembrane glycoprotein that enhances proliferation of activated T-cells and induces apoptosis in CD30+ lymphoma-derived cell lines.

Synonyms: TNFRSF8, D1S166E, CD30L receptor, KI-1 antigen

Note: This product was originally produced by MBL International.

Protocol: **Flow cytometric analysis for floating cells**

We usually use Fisher tubes or equivalents as reaction tubes for all step described below.

- 1) Wash the cells 3 times with washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.1% NaN₃].
- 2) Resuspend the cells with washing buffer (5x10⁶ cells/mL).
- 3) Add 50 µL of the cell suspension into each tube, and centrifuge at 500 x g for 1 minute at RT (20~25°C). Remove supernatant by careful aspiration.
- 4) Add 10 µL of normal goat serum containing 1 mg/mL normal human IgG and 0.1% NaN₃ or 20 µL of Clear Back (human Fc receptor blocking reagent) to the cell pellet after tapping. Mix well and incubate for 5 minutes at room temperature.
- 5) Add 20 µL of the FITC labeled CD30 monoclonal antibody (Ber-H2) (5-10 µg/mL) diluted with the washing buffer. Mix well and incubate for 30 minutes at RT (20~25°C).
- 6) Add 1 mL of the washing buffer followed by centrifugation at 500 x g for 1 minute at RT. Remove supernatant by careful aspiration.
- 7) Resuspend the cells with 500 µL of the washing buffer and analyze by a flow cytometer.

Positive Control: CCRF-CEM

Flow cytometric analysis for whole blood cells

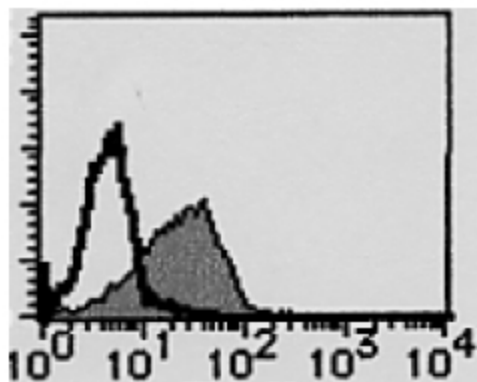
We usually use Falcon tubes or equivalents as reaction tubes for all steps described below.

- 1) Add 20 µL of the FITC labeled CD163 monoclonal antibody (Ber-Mac3) (5-10 µg/mL) diluted with the washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.1% NaN₃] into each tube.
- 2) Add 50 µL of whole blood into each tube. Mix well, and incubate for 30 minutes at RT (20~25°C).
- 3) Lyse with OptiLyse C (for analysis on Beckman Coulter instruments) or OptiLyse B (for analysis on BD instruments), using the procedure recommended in the respective package inserts.
- 4) Add 1mL of H₂O to each tube and incubate for 10 minutes at RT (20~25°).
- 5) Centrifuge at 500 x g for 1 minute at RT (20~25°C). Remove supernatant by careful aspiration.
- 6) Add 1 mL of washing buffer followed by centrifugation at 500 x g for 1 minute at RT (20~25°C). Remove supernatant by careful aspiration.
- 7) Resuspend the cells with 500 µL of the washing buffer and analyze by a flow cytometer.

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Product images:



Flow Cytometry: Analysis of CD30 expression on CCRF-CEM cells. Open histogram indicates the reaction of Isotypic control to the cells. Shaded histogram indicates the reaction of FITC conjugated CD30 antibody AM20190FC-N to the cells.