

# Anti-CLL1 Antibody [4D5A8]

## EM1711-46



<b>Product Type:</b>	Mouse monoclonal IgG2a, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB, IF-Cell, FC
<b>Molecular Wt:</b>	30.8kDa
<b>Clone number:</b>	4D5A8

**Description:** This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. The protein encoded by this gene is a negative regulator of granulocyte and monocyte function. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. This gene is closely linked to other CTL/CTLD superfamily members in the natural killer gene complex region on chromosome 12p13.

**Immunogen:** Purified recombinant fragment of human CLL1 (AA: extra 65-265) expressed in E. Coli.

**Positive control:** Hela cells HL-60 cells

**Subcellular location:** Cell membrane, Membrane

**Database links:** SwissProt: Q5QGZ9 Human

### Recommended Dilutions:

<b>WB</b>	1:500-1:2,000
<b>IF-cell</b>	1: 50-1:200
<b>FC</b>	1:100-1:200

**Storage Buffer:** Purified antibody in PBS with 0.05% sodium azide.

**Storage Instruction:** 4°C; -20°C for long term storage.

**Purity:** Protein G affinity purified.

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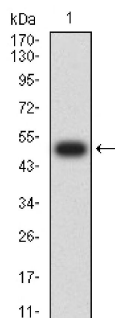
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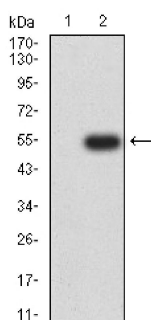
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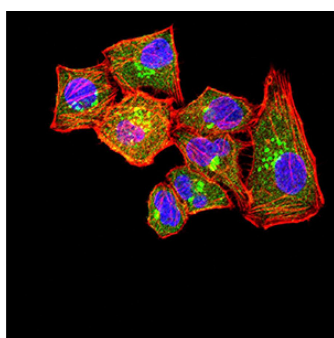
## Images



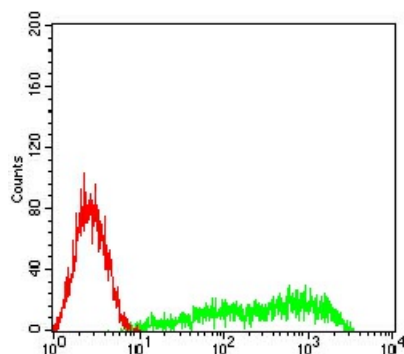
**Fig1:** Western blot analysis of CLL1 against human CLL1 (AA: extra 65-265) recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1711-46, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



**Fig2:** Western blot analysis of EM1711-46 against HEK293 (1) and CLL1 (AA: extra 65-265)-hlgGfc transfected HEK293 (2) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1711-46, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



**Fig3:** Immunocytochemistry staining of CLL1 in HeLa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (EM1711-46, 1/100) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Mouse IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue), Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).



**Fig4:** Flow cytometric analysis of CLL1 was done on HL-60 cells. The cells were fixed, permeabilized and stained with the primary antibody (EM1711-46, 1/100) (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-Mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; red).

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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### Background References

1. J Immunol. 2016 Oct 1;197(7):2715-25.
2. Eur J Immunol. 2006 Aug;36(8):2159-69.

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