

Anti-CD83 Antibody [JE33-61]

HA721556



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB
Molecular Wt:	Predicted band size: 23 kDa
Clone number:	JE33-61

Description: CD83 (Cluster of Differentiation 83) is a human protein encoded by the CD83 gene. The membrane-bound form of CD83 consists of an extracellular V-type immunoglobulin-like domain, a transmembrane domain and a cytoplasmic signaling tail. A free soluble form consists of the immunoglobulin-like domain alone. Membrane-bound CD83 is expected to form trimers. Soluble CD83 is able to assemble into dodecameric complexes. The CD83 gene is located on human chromosome 6p23 and mouse chromosome 13. In humans, a promoter 261 bp upstream consists of five NF- κ B and three interferon regulatory factor binding sites, reflecting the involvement of CD83 in inflammation, as well as binding sites for the aryl hydrocarbon receptor. The latter also occur in an enhancer sequence located 185 bp downstream, inside the second intron, and may suggest negative regulation of transcription by microbial metabolites produced in the gut.

Immunogen: Synthetic peptide within Human CD83 aa 51-100 (Extracellular).

Positive control: Raji cell lysate, Jurkat cell lysate, U-937 cell lysate.

Subcellular location: Membrane.

Database links: SwissProt: Q01151 Human

Recommended Dilutions:

WB 1:1,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

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Orders:0086-571-88062880

Technical:0086-571-89986345

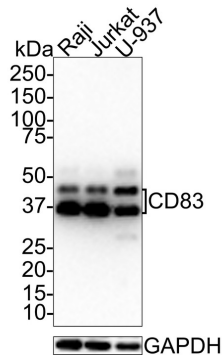
Service mail:support@huabio.cn

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Images

Fig1: Western blot analysis of CD83 on different lysates with Rabbit anti-CD83 antibody (HA721556) at 1/1,000 dilution.

Lane 1: Raji cell lysate
Lane 2: Jurkat cell lysate
Lane 3: U-937 cell lysate



Lysates/proteins at 10 µg/Lane.

Predicted band size: 23 kDa
Observed band size: 35-45 kDa

Exposure time: 2 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA721556) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:100,000 dilution was used for 1 hour at room temperature.

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

Background References

1. Grosche L et al. The CD83 Molecule - An Important Immune Checkpoint. *Front Immunol.* 2020 Apr
2. Riaz B et al. CD83 Regulates the Immune Responses in Inflammatory Disorders. *Int J Mol Sci.* 2023 Feb

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