

Anti-IL-10RB Antibody [A8E11]

HA601061



Product Type:	Mouse monoclonal IgG2a, primary antibodies
Species reactivity:	Human
Applications:	WB
Molecular Wt:	Predicted band size: 37 kDa
Clone number:	A8E11

Description: Interleukin 10 receptor, beta subunit is a subunit for the interleukin-10 receptor. IL10RB is its human gene. IL10RB has also recently been designated CDW210B (cluster of differentiation W210B). The protein encoded by this gene belongs to the cytokine receptor family. It is an accessory chain essential for the active interleukin 10 receptor complex. Coexpression of this and IL10RA proteins has been shown to be required for IL10-induced signal transduction. This gene and three other interferon receptor genes, IFNAR2, IFNAR1, and IFNGR2, form a class II cytokine receptor gene cluster located in a small region on chromosome 21.

Immunogen: Synthetic peptide within Human IL-10RB aa 181-230 / 325.

Positive control: Jurkat cell lysate, 293T cell lysate, U87MG cell lysates.

Subcellular location: Membrane.

Database links: SwissProt: Q08334 Human

Recommended Dilutions:

WB 1:500-1:1,000

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

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Fig1: Western blot analysis of IL-10RB on different lysates with Mouse anti-IL-10RB antibody (HA601061) at 1/1,000 dilution.

Lane 1: Jurkat cell lysate
Lane 2: 293T cell lysate

Lysates/proteins at 10 µg/Lane.

Predicted band size: 37 kDa
Observed band size: 40 kDa

Exposure time: 2 minutes;

12% 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 (HA601061) at 1/1,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:100,000 dilution was used for 1 hour at room temperature.

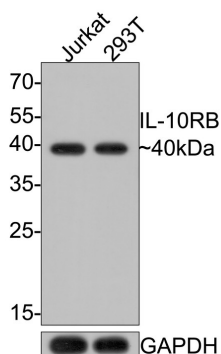


Fig2: Western blot analysis of IL-10RB on U87MG cell lysates with Mouse anti-IL-10RB antibody (HA601061) at 1/500 dilution.

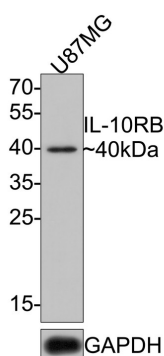
Lysates/proteins at 10 µg/Lane.

Predicted band size: 37 kDa
Observed band size: 40 kDa

Exposure time: 2 minutes;

12% 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 (HA601061) at 1/500 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) 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. Voloudakis G et al. IL10RB as a key regulator of COVID-19 host susceptibility and severity. medRxiv. 2021 Jun
2. Yazdani R et al. Candidiasis associated with very early onset inflammatory bowel disease: First IL10RB deficient case from the National Iranian Registry and review of the literature. Clin Immunol. 2019 Aug

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Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry