

Datasheet: MCA6207B

BATCH NUMBER 100005095

Description:	MOUSE ANTI HUMAN INTERLEUKIN-17A/F:Biotin
Specificity:	IL-17A/F
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	I07-5E4
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human full length interleukin-17A/F (Gly24-Ala155)

**External Database
Links**

UniProt:

[Q16552](#) [Related reagents](#)
[Q96PD4](#) [Related reagents](#)

Entrez Gene:

[3605](#) IL17A [Related reagents](#)
[112744](#) IL17F [Related reagents](#)

Synonyms

CTLA8, IL17, IL24

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human interleukin-17A/F antibody, clone I07-5E4, recognizes interleukin-17 A and F. The IL-17 family consists of six proteins (IL-17A to IL-17F) which function as proinflammatory cytokines, important for defence against pathogens ([Gurczynski and Moore, 2017](#)). Accordingly, IL-17-producing CD4⁺ T helper cells, also called Th17 cells, play important roles in immune defense. Uncontrolled IL-17 signaling is associated with immunopathology, autoimmune diseases, and cancer, and blocking activity of IL-17 can be beneficial in some clinical settings ([Amatya et al. 2017](#)). This antibody recognizes IL-17A, the most studied member of the IL-17 family, and its closest relative IL-17F ([Chen and Kolls 2017](#)). These two proteins have similar structure and inflammatory function, but unique functions of IL-17F in the immune system have also been indicated ([Chang and Dong, 2009](#)).

The biotinylated Mouse anti Human interleukin-17A/F antibody, clone I07-5E4 (MCA6207B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human interleukin-17A/F antibody, clone D01-1C2 ([MCA6206GA](#)) as the capture antibody.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6207B>
10041

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-17A/F \(MCA6206GA\)](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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