

Datasheet: MCA6207B

**BATCH NUMBER 100005095**

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-17A/F:Biotin
<b>Specificity:</b>	IL-17A/F
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	I07-5E4
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	<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](#)

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**Synonyms**

CTLA8, IL17, IL24

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**Fusion Partners**

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

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**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<sup>+</sup> 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.

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

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

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

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To  
find a

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

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