

## Datasheet: MCA6207B

<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 Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 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)
<b>External Database Links</b>	<b>UniProt:</b>

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

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

**Entrez Gene:**

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

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

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<b>Synonyms</b>	CTLA8, IL17, IL24
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<b>Fusion Partners</b>	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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<b>Specificity</b>	<p><b>Mouse anti Human interleukin-17A/F antibody, clone I07-5E4</b>, 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 (<a href="#">Gurczynski and Moore, 2017</a>). 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 (<a href="#">Amatya et al. 2017</a>). This antibody recognizes IL-17A, the most studied member of the IL-17 family, and its closest relative IL-17F (<a href="#">Chen and Kolls 2017</a>). These two proteins have similar structure and inflammatory function, but unique functions of IL-17F in the immune system have also been indicated (<a href="#">Chang and Dong, 2009</a>).</p> <p>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 (<a href="#">MCA6206GA</a>) as the capture antibody.</p>
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<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	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

**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

To

**America** Fax: +1 919 878 3751

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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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