

## Mouse Interleukin 17D (IL17D) ELISA Kit-Sandwich

**Cat. No.: EK5F16**

**Product Type: Animal Immunoassay Kits**

**Size: 48T;96T**

### Product Overview

BioVenic Mouse Interleukin 17D (IL17D) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse IL17D in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

|                    |                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------|
| Assay Type         | ELISA-Sandwich                                                                                        |
| Specificity        | The assay kit is specific for Mouse Interleukin 17D (IL17D).                                          |
| Target Species     | Mouse                                                                                                 |
| Species Reactivity | Mouse                                                                                                 |
| Detection Range    | 7.82-500 pg/mL                                                                                        |
| Reproducibility    | Intra-Assay: CV < 10%; Inter-Assay: CV < 12%                                                          |
| Assay Time         | Around 90 min                                                                                         |
| Sample Requirement | Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids. |

### Target Information

In mice, the *IL17D* gene encodes interleukin 17D (IL-17D). This cytokine is broadly expressed outside the hematopoietic compartment and is found in limited amounts in the bone marrow, thymus, and spleen. Previous research in mice has shown that IL-17D is induced by viral infection, is constitutively expressed in immunogenic cancer cells, and is directly induced by the antioxidant transcription factor Nrf2. In mice lacking adaptive immunity, IL17D expression is protective against MCMV infection, suggesting that IL17D also plays a role in innate immunity.

|                  |                        |
|------------------|------------------------|
| Target/Biomarker | Mouse IL17D            |
| Target Synonym   | IL-17D; Interleukin-27 |
| Gene ID          | <a href="#">239114</a> |

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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## Reference

Washington, Allen Jr *et al.* "Evaluation of IL-17D in Host Immunity to Group A Streptococcus Infection." *Journal of immunology (Baltimore, Md. : 1950)* vol. 205,11 (2020): 3122-3129.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.