

DESCRIPTION

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| Species Reactivity | Porcine |
| Specificity | Detects porcine IL-12/IL-23 p40 in direct ELISAs and Western blots. In Western blots (under reducing conditions), porcine IL-12/IL-23 p40 will detect the p40 subunit, but not the p35 subunit. In Western blots, less than 10% cross-reactivity with recombinant mouse IL-12 and recombinant human IL-12 is observed. |
| Source | Monoclonal Mouse IgG ₁ Clone # 116237 |
| Purification | Protein A or G purified from ascites |
| Immunogen | Chinese hamster ovary cell line CHO-derived recombinant porcine IL-12 p35/p40 heterodimer |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|---------------------|---------------------------|-------------------------------------|
| Western Blot | 1 µg/mL | Recombinant Porcine IL-12/IL-23 p40 |

PREPARATION AND STORAGE

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| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | <p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

IL-12 p70 is a heterodimeric cytokine composed of one 35 kDa and one 40 kDa subunit. The 40 kDa subunit also occurs in IL-23. IL-12 is produced by macrophages and B lymphocytes and has multiple effects on T cells and natural killer (NK) cells.