



## S. scrofa Interleukin 10 (DAG-H10352)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Species</b>	S. scrofa
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>1. Immobilized porcine IL10 at 10 µg/ml (100 µl/well) can bind Cynomolgus IL10RA, The EC50 of Cynomolgus IL10RA is 0.14-0.34 µg/ml.</p> <p>2. Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED50 for this effect is typically 1-5 ng/mL.</p>
<b>Size</b>	10 µg, 20 µg
<b>Preservative</b>	None
<b>Storage</b>	Store it under sterile conditions at -70 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### BACKGROUND

<b>Introduction</b>	<p>The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. [provided by RefSeq].</p>
<b>Keywords</b>	IL10; Interleukin-10; Cytokine synthesis inhibitory factor