

## Recombinant Human R-Spondin-1

Cat. No.:MGC078 size : 10 $\mu$ g / 50 $\mu$ g / 1mg

### Characteristics:

<b>Source</b>	Chinese Hamster Ovary cell line
<b>Description</b>	Human R-Spondin1 (Ser21-Ala263) Accession # Q2MKA7
<b>Predicted molecular mass</b>	26.7kDa

### Specification:

<b>Appearance</b>	White powder, Colorless clear liquid after reconstitution
<b>Purity</b>	$\geq$ 95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
<b>Endotoxin</b>	$\leq$ 0.01EU/ $\mu$ g by the LAL method
<b>Activity</b>	Measured by its ability to induce Topflash reporter activity in CHO cells in the presence of 50ng/ml wnt3a. The expected ED <sub>50</sub> is < 1.0 $\mu$ g/ml.
<b>Formulation</b>	Lyophilized from a 0.22 $\mu$ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

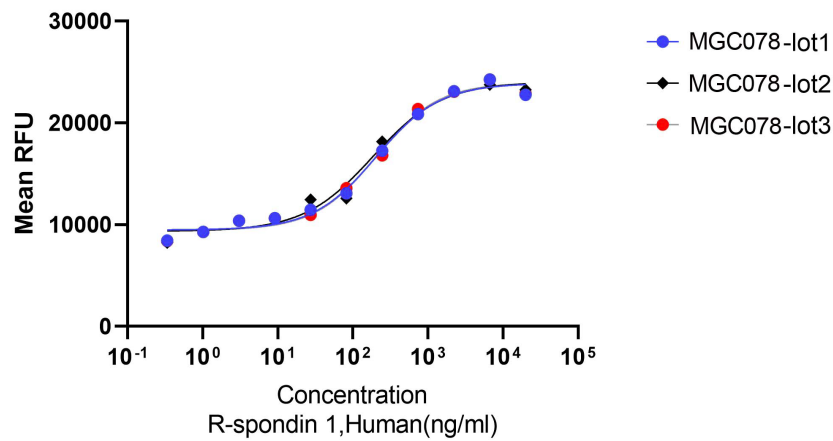
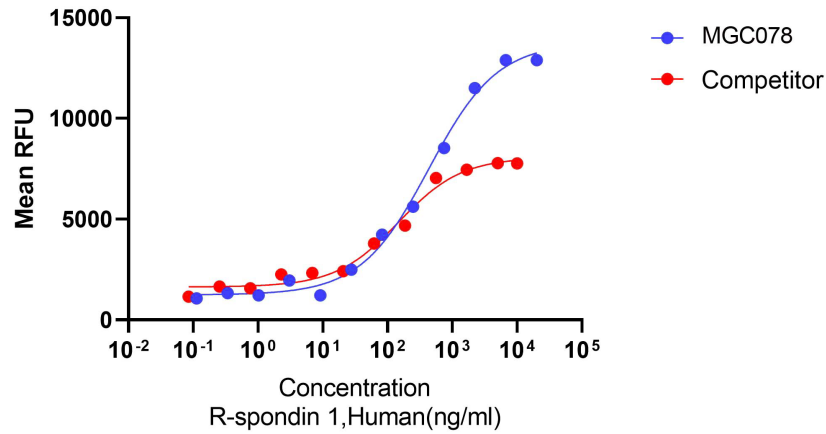
### Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	Wet ice (seasonal)
<b>Storage &amp; Stability</b>	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution

**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

## Data:

### Bioactivity



Measured by its ability to induce Topflash reporter activity in CHO cells in the presence of 50ng/ml wnt3a. The expected ED<sub>50</sub> is < 1.0 μg/ml. The activity of Recombinant Human R-Spondin-1(Cat. No.MGC078) was higher than other competing products.