



## Simvastatin [HRP] (DAG404S)

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

### PRODUCT INFORMATION

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Antigen Description | Simvastatin, covalently linked to horseradish peroxidase |
| Species             | N/A                                                      |
| Purity              | chromatography, dialysis                                 |
| Conjugate           | HRP                                                      |
| Applications        | e.g. allergy test, immunoassays etc.                     |
| Molecular Weight    | app. 44 kDa                                              |
| Reconstitution      | Reconstitute with 1 ml PBS without azide.                |
| Format              | Lyophilized                                              |
| Concentration       | 1 mg/mL working concentration                            |
| Size                | 1 mg                                                     |
| Preservative        | None                                                     |
| Storage             | Store at -20°C.                                          |

### BACKGROUND

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Introduction | Simvastatin is a lipid-lowering agent derived synthetically from a fermentation product of the fungus <i>Aspergillus terreus</i> . Hydrolyzed in vivo to an active metabolite, simvastatin competitively inhibits hepatic hydroxymethyl-glutaryl coenzyme A (HMG-CoA) reductase, the enzyme which catalyzes the conversion of HMG-CoA to mevalonate, a key step in cholesterol synthesis. This agent lowers plasma cholesterol and lipoprotein levels, and modulates immune responses by suppressing MHC II (major histocompatibility complex II) on interferon gamma-stimulated, |
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antigen-presenting cells such as human vascular endothelial cells.

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**Keywords**

drug-HRP conjugate, drug-conjugate, simvastatin HRP conjugate

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