

For Research Use Only

# SUMO1-Trap Magnetic Agarose, Kit for Immunoprecipitation



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Catalog Number: s1tmak

## Basic Information

**Catalog Number:**  
s1tmak

**Applications:**  
IP, Co-IP

**Conjugate:**  
Magnetic Agarose beads; ~40 um (cross-linked 6% magnetic agarose beads)

**Host:**  
Alpaca

**Type:**  
Nanobody

**Class:**  
Recombinant

## Description

The ChromoTek SUMO1-Trap Magnetic Agarose, Kit for Immunoprecipitation consists of an anti-SUMO1 VHH, which is coupled to magnetic agarose beads. It also contains lysis, wash, and elution buffers that can be used for the immunoprecipitation of SUMO1 proteins from cell extracts of various organisms.

## Specificity/Target

Binds specifically to human SUMO1 (Small Ubiquitin-like Modifier 1). The ChromoTek SUMO1-Trap Agarose will immunoprecipitate both monovalent SUMO1 and SUMO1 chains formed by the process of SUMOylation. In addition to human SUMO1, it will also bind SUMO1 homologs from other mammals.

## Elution buffer

2x SDS-sample buffer (Lamlli)

## Affinity ( $K_D$ )

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## Storage

**Storage:**

Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. DO not freeze!

**Storage Buffer:**

20% ethanol

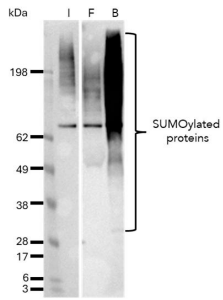
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## Selected Validation Data



The SUMO1-Trap Magnetic Agarose (s1tma) was used to immunoprecipitate endogenous SUMO1ylated proteins from a human cell line. Samples of the input lysate (I), non-bound flow-through (F) and bound (B) fraction were analyzed using Western blot. SUMO1ylated proteins are highly enriched using the SUMO1-Trap. Data kindly provided by Prof. Alfred Vertegaal, Leiden University, The Netherlands.