
Certificate of Analysis

Catch and Release[®] v2.0
(Reversible Immunoprecipitation System)
Catalog # 17-500
Lot # 30161

Kit Components

Antibody Capture Affinity Ligand, Catalog # 20-216. One vial containing **60µg** Antibody Capture Affinity Ligand in **600µl** PBS containing 2mM PMSF and 10% glycerol. Store at 4°C.

Catch and Release[®] Wash Buffer, 10X, Catalog # 20-210. One vial containing **15ml** of 10X buffer, pH 7.4 containing the following detergents: 10% NP-40, 2.5% deoxycholic acid and 150mM imidazole. Store at 4°C. **Note:** If crystallization occurs when buffer is stored at 4°C, warm to room temperature and vortex briefly before use.

Catch and Release[®] Non-denaturing Elution Buffer, 4X, Catalog # 20-209. One vial containing **10ml** of 4X PBS-based IP Elution Buffer. Store at 4°C.

Catch and Release[®] Denaturing Elution Buffer, 1X, Catalog # 20-284. One vial containing **4ml** of 1X Tris-based IP Elution Buffer. Add β-mercaptoethanol (BME) to a final concentration of 5% v/v immediately before use. Store at 4°C.

Catch and Release[®] v2.0 Spin Columns, Catalog # 20-285. **50 columns** containing 0.5ml of prepacked IP capture resin. Store at 4°C

Catch and Release[®] Capture Tubes, 100, 2ml reservoir tubes.

**FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS**

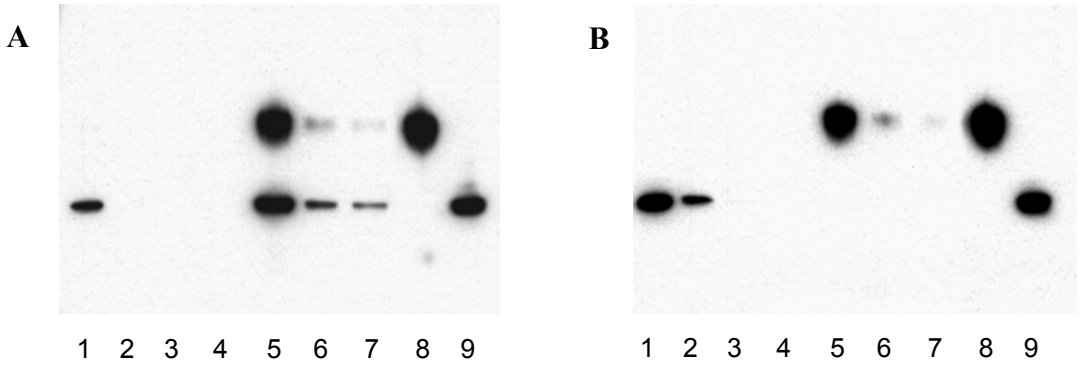
Kit Description

Quantity: 50 Immunoprecipitations per kit.

Storage and Stability: All components to be stored at 4°C. Components are stable for 6 months from date of shipment.

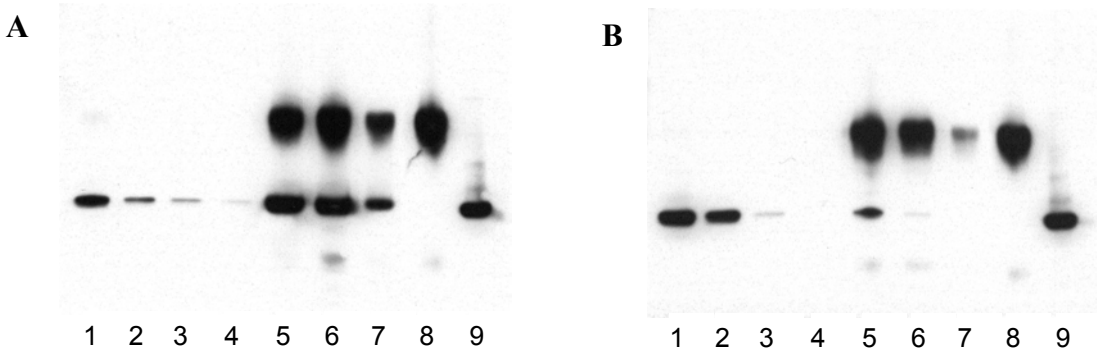
Use: This kit allows for quick and reproducible immunoprecipitation (IP) by using a spin column. The system is more reproducible than regular IP's, which are problematic with regards to washing the protein A/G agarose without disrupting the agarose bed. The binding of the antibody/antigen complex in Catch and Release[®] is reversible, and elution of the immune complex can occur with native or denaturing buffers. The system has been tested successfully with rabbit, mouse, sheep and goat antibodies. IP using human IgG1-4 should be suitable. IP using chicken antibodies or human IgA, IgD, IgE or IgM is not recommended with this kit. Please read the enclosed product manual before use.

Quality Control Testing



Catch and Release[®] with Denaturing Elution Buffer:

Catch and Release[®] columns and protocol were used with the Denaturing Elution Buffer to immunoprecipitate cdk2. HeLa nuclear extract was mixed with A. Anti-cdk2 (Catalog # 06-505) or B. normal, rabbit IgG as a negative control for 1 hour at room temperature. Samples from each fraction were run on an SDS-PAGE gel and immunoblotted. The upper band is the heavy chain of IgG and the lower band is cdk2. Lane 1: flow through; Lane 2: wash 1; Lane 3: wash 2; Lane 4: wash 3; Lane 5: elution 1; Lane 6: elution 2; Lane 7: elution 3; Lane 8: Anti-cdk2; Lane 9: HeLa nuclear extract.



Catch and Release[®] with Non-denaturing Elution Buffer:

Catch and Release[®] columns and protocol were used with the Non-denaturing Elution Buffer to immunoprecipitate cdk2. HeLa nuclear extract was mixed with A. Anti-cdk2 (Catalog # 06-505) or B. normal, rabbit IgG as a negative control for 1 hour at room temperature. Samples from each fraction were run on an SDS-PAGE gel and immunoblotted. The upper band is the heavy chain of IgG and the lower band is cdk2. Lane 1: flow through; Lane 2: wash 1; Lane 3: wash 2; Lane 4: wash 3; Lane 5: elution 1; Lane 6: elution 2; Lane 7: elution 3; Lane 8: Anti-cdk2; Lane 9: HeLa nuclear extract.