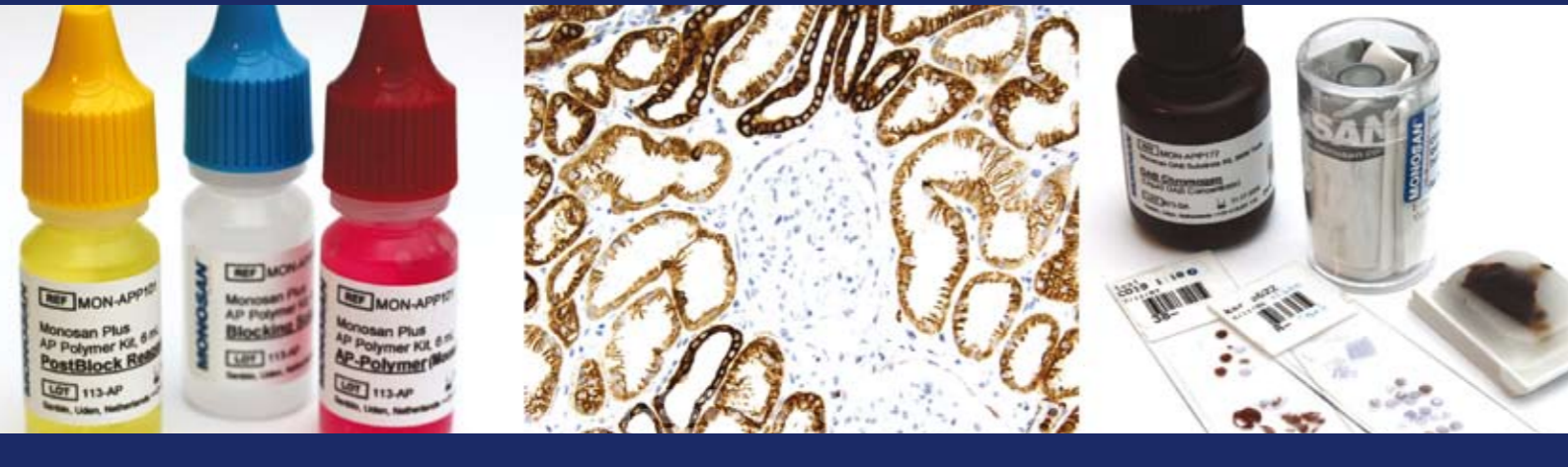


Monosan® Reagents belongs to our Monosan® family. Next to the detection systems and comprehensive accessories Monosan® contains: Over 2000 antibodies in the Monosan® and Monosan® Xtra range are developed and commercialized either in our own laboratories or in collaboration with some of the worldwide leading universities and research institutes. The products are mainly manufactured for immunohistochemical (IHC) and Immunofluorescence (IF) use on frozen and FFPE tissue sections for research in the following areas:

- Cell Adhesion Molecules
- Cell Cycle Associated Proteins
- Cluster Differentiation Markers
- Cytokeratins
- Cytotoxic Drug Metabolism
- Growth Factors and Receptors
- Hormone Receptors and Estrogen Regulated Proteins
- Hormones
- Lymphoid Markers
- Microbiology/Virology
- Muscles
- Neuroscience
- Oncoproteins
- Oncosuppressor and Associated Proteins
- Small and Intermediate Filaments
- Tumour Markers

Monosan® RTU, a prediluted antibody line with 200 new antibody products for immunohistochemical (IHC) use on frozen and FFPE tissue sections. The 7ml and 15ml monoclonals (rabbit and mouse) and polyclonals are applicable for fully automated IHC systems and manual use. The Monosan® product line is marketed and sold worldwide through a network of approved and service-conscious distributors. We are currently represented in more than 60 countries world wide.

The complete selection of antibodies and reagents are brought together at our website: www.monosan.com



REAGENTS FOR IMMUNOHISTOCHEMISTRY

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REAGENTS FOR IMMUNOHISTOCHEMISTRY

Next to the regular antibody products, Monosan® can offer you now Monosan® Reagents. This product line contains a huge portfolio of detection systems for immunohistochemistry purposes like Monosan® Plus (AP) Polymer Kits, Monosan® Plus (HRP) Broad Spectrum Kits and Monosan® (HRP) Broad Spectrum Kits. The Monosan® Reagents detection kits are designed for the qualitative detection of antigens in fixed paraffin-embedded tissue sections, in frozen tissue sections, and in cytological samples. (The kits are developed for use in combination with mono- and polyclonal primary antibodies and sera obtained from mouse, rabbit, rat, and guinea pig.)



Beside the new detection systems Monosan® Reagents is offering you comprehensive accessories for the immunohistochemistry:

* Dilution buffers

Example:

Monosan® Antibody Diluent is developed for dilution of primary antibodies. Antibodies diluted with Antibody Diluent are primarily used in immunohistochemistry with formalin-fixed paraffin-embedded tissue sections, but also with frozen, HOPE-fixed, and cytological samples as well as in immunoblot procedures.

* Chromogens and Substrates

Example:

Monosan® Permanent AEC Kit is intended for immunohistochemical and in situ-hybridisation staining procedures with horse radish peroxidase (HRP). AEC (3-Amino-9-ethylcarbazol) leads to the formation of a red-brown precipitate at the location of the target antigen or target nucleic acid. The precipitate is insoluble in aqueous mounting media and can be observed by light microscopy.

* Histo Pens

* Pre-treatment solutions

Example:

Monosan® Fast Enzyme is a ready-to-use solution developed for enzymatic epitope retrieval on formalin-fixed tissue sections on slides. This procedure (sometimes called PIER, Protease Induced Epitope Retrieval) is used in immunohistochemical staining procedures and prior to in situ hybridisations.

* Blocking reagents

Example:

The blocking solution Monosan® Peroxide Block is intended for inhibition of endogenous peroxidase activity in tissue sections. It is primarily intended to be used in immunohistochemistry on formalin-fixed paraffin-embedded samples if using a detection system with horse radish peroxidase.

* Buffers

Example:

Monosan® HIER EDTA Buffer pH 8.0 is a solution developed for heat induced epitope retrieval (HIER) in formalin-fixed paraffin-embedded tissue sections on slides. This procedure is primarily used in immunohistochemistry.

Product name Monosan	Cat. No MON-APP	Amount
Monosan Plus (AP) Polymer Kit	MON-APP101	1 Kit (6 mL / 60 Tests)
Monosan Plus (AP) Polymer Bulk Kit	MON-APP102	1 Kit (100 mL / 1000 Tests)
Monosan Plus (HRP) Polymer Kit	MON-APP103	1 Kit (6 mL / 60 Tests)
Monosan Plus (HRP) Polymer Bulk Kit	MON-APP104	1 Kit (100 mL / 1000 Tests)
Monosan Plus Double Stain Polymer Kit	MON-APP105	1 Kit (6 mL / 60 Tests)
Monosan Plus (HRP) Polymer anti-Mouse	MON-APP106	6 mL / 60 Tests
Monosan Plus (HRP) Polymer anti-Mouse	MON-APP107	100 mL / 1000 Tests
Monosan Plus (HRP) Polymer anti-Mouse/Rabbit	MON-APP108	6 mL / 60 Tests
Monosan Plus (HRP) Polymer anti-Mouse/Rabbit	MON-APP109	100 mL / 1000 Tests
Monosan Plus (AP) Broad Spectrum (Fast Red) Kit	MON-APP110	1 Kit (8mL / 80 Tests)
Monosan Plus (AP) Broad Spectrum Bulk Kit	MON-APP111	1 Kit (125mL / 1250 Tests)
Monosan Plus (AP) Broad Spectrum Bulk Kit	MON-APP112	1 Kit (500mL / 5000 Tests)
Monosan Plus (AP) Broad Spectrum Kit	MON-APP113	1 Kit (60mL / 600 Tests)
Monosan Plus (HRP) Broad Spectrum (AEC) Kit	MON-APP114	1 Kit (8mL / 80 Tests)
Monosan Plus (HRP) Broad Spectrum (DAB) Kit	MON-APP115	1 Kit (8mL / 80 Tests)
Monosan Plus (HRP) Broad Spectrum Bulk Kit	MON-APP116	1 Kit (125mL / 1250 Tests)
Monosan Plus (HRP) Broad Spectrum Bulk Kit	MON-APP117	1 Kit (500mL / 5000 Tests)
Monosan Plus (HRP) Broad Spectrum Kit	MON-APP118	1 Kit (60mL / 600 Tests)
Monosan Plus (AP) Anti-Mouse (Fast Red) Kit	MON-APP119	1 Kit (8mL / 80 Tests)
Monosan Plus (AP) Anti-Mouse Bulk Kit	MON-APP120	1 Kit (125mL / 1250 Tests)
Monosan Plus (AP) Anti-Mouse Bulk Kit	MON-APP121	1 Kit (500mL / 5000 Tests)
Monosan Plus (AP) Anti-Mouse Kit	MON-APP122	1 Kit (60mL / 600 Tests)
Monosan Plus (HRP) Anti-Mouse (AEC) Kit	MON-APP123	1 Kit (8mL / 80 Tests)
Monosan Plus (HRP) Anti-Mouse (DAB) Kit	MON-APP124	1 Kit (8mL / 80 Tests)
Monosan Plus (HRP) Anti-Mouse Bulk Kit	MON-APP125	1 Kit (125mL / 1250 Tests)
Monosan Plus (HRP) Anti-Mouse Bulk Kit	MON-APP126	1 Kit (500mL / 5000 Tests)
Monosan Plus (HRP) Anti-Mouse Kit	MON-APP127	1 Kit (60mL / 600 Tests)
Monosan Plus (AP) Anti-Rabbit (Fast Red) Kit	MON-APP128	1 Kit (8mL / 80 Tests)

Product name Monosan	Cat. No MON-APP	Amount
Monosan Plus (AP) Anti-Rabbit Bulk Kit	MON-APP129	1 Kit (125mL / 1250 Tests)
Monosan Plus (AP) Anti-Rabbit Bulk Kit	MON-APP130	1 Kit (500mL / 5000 Tests)
Monosan Plus (AP) Anti-Rabbit Kit	MON-APP131	1 Kit (60mL / 600 Tests)
Anti-Rabbit (AEC) Kit	MON-APP132	1 Kit (8mL / 80 Tests)
Monosan Plus (HRP) Anti-Rabbit (DAB) Kit	MON-APP133	1 Kit (8mL / 80 Tests)
Monosan Plus (HRP) Anti-Rabbit Bulk Kit	MON-APP134	1 Kit (125mL / 1250 Tests)
Monosan Plus (HRP) Anti-Rabbit Bulk Kit	MON-APP135	1 Kit (500mL / 5000 Tests)
Monosan Plus (HRP) Anti-Rabbit Kit	MON-APP136	1 Kit (60mL / 600 Tests)
Monosan (AP) Broad Spectrum (Fast Red) Kit	MON-APP137	1 Kit (8mL / 80 Tests)
Monosan (AP) Broad Spectrum Bulk Kit	MON-APP138	1 Kit (125mL / 1250 Tests)
Monosan (AP) Broad Spectrum Bulk Kit	MON-APP139	1 Kit (500mL / 5000 Tests)
Monosan (HRP) Broad Spectrum (AEC) Kit	MON-APP140	1 Kit (8mL / 80 Tests)
Monosan (HRP) Broad Spectrum (DAB) Kit	MON-APP141	1 Kit (8mL / 80 Tests)
Monosan (HRP) Broad Spectrum Bulk Kit	MON-APP142	1 Kit (125mL / 1250 Tests)
Monosan (HRP) Broad Spectrum Bulk Kit	MON-APP143	1 Kit (500mL / 5000 Tests)
Monosan Blockingsolution - SuperBlock	MON-APP144	100 mL
Monosan Peroxid-Block	MON-APP145	8 mL
Monosan Peroxid-Block	MON-APP146	100 mL
Monosan Peroxid-Block	MON-APP147	500 mL
Monosan Antibody Diluent	MON-APP148	100 mL
Monosan Antibody Diluent	MON-APP149	500 mL
Monosan Antibody Diluent B	MON-APP150	25 mL
Monosan Antibody Diluent B	MON-APP151	100 mL
Monosan Ficin	MON-APP152	50 mL
Monosan Pepsin	MON-APP153	60 mL
Monosan Pronase	MON-APP154	250 mL
Monosan Proteinase K	MON-APP155	15 mL
Monosan Proteinase K	MON-APP156	50 mL
Monosan Trypsin Pretreatment Kit	MON-APP157	155 mL (125 mL Buffer. 30 mL Enzym)
Monosan Fast Enzyme	MON-APP158	15 mL
Monosan HIER Citrate Buffer pH 6,0 (10 X)	MON-APP159	100 mL (for 1000 mL)
Monosan HIER Citrate Buffer pH 6,0 (10 X)	MON-APP160	500 mL (for 5000 mL)
Monosan HIER Tris-EDTA Buffer pH 8,0 (10 X)	MON-APP161	100 mL (for 1000 mL)
Monosan HIER Tris-EDTA Buffer pH 8,0 (10 X)	MON-APP162	500 mL (for 5000 mL)
Monosan HIER Tris-EDTA Buffer pH 9,0 (10 X)	MON-APP163	100 mL (for 1000 mL)
Monosan HIER Tris-EDTA Buffer pH 9,0 (10 X)	MON-APP164	500 mL (for 5000 mL)
Monosan Wash Buffer (20 X)	MON-APP165	500 mL (for 10 Liter)
Monosan Wash Buffer (20 X)	MON-APP166	2500 mL (for 50 Liter)
Monosan PBS Buffer (Phosphate-Buffered Saline) (pH 7.4)	MON-APP167	6 x 15mL (33x) (=3L)
Monosan TRIS/HCL Buffer (pH 7.6)	MON-APP168	250 mL
Monosan AEC Single Solution	MON-APP169	8 mL
Monosan AEC Single Solution	MON-APP170	125 mL
Monosan AEC Substrate Kit	MON-APP171	500 Tests (55 mL)
Monosan AEC Substrate Kit	MON-APP172	5000 Tests (515 mL)
Monosan Permanent AEC Kit	MON-APP173	2000 Tests (200 mL)
Monosan DAB High contrast Kit	MON-APP174	1 Kit (500 Tests)
Monosan DAB High contrast Kit	MON-APP175	1 Kit (5000 Tests)
Monosan DAB Substrate Kit (Brown)	MON-APP176	1 Kit (500 Tests)
Monosan DAB Substrate Kit (Brown)	MON-APP177	1 Kit (5000 Tests)
Monosan DAB Substrate Buffer	MON-APP178	500 mL
Monosan Fast-Red Substrate Pack (11 Tablets, 11 x 5 mL Substrate Buffer)	MON-APP179	1 Kit (550 Tests)
Monosan Fast-Red Substrate Pack (25 Tablets, 125 mL Substrate Buffer)	MON-APP180	1 Kit (1250 Tests)
Monosan Fast-Red Substrate Pack (100 Tablets, 500 mL Substrate Buffer)	MON-APP181	1 Kit (5000 Tests)
Monosan New Fuchsin Kit	MON-APP182	1 Kit (6 mL / 60 Tests)
Monosan New Fuchsin Kit	MON-APP183	1 Kit (125 mL / 1250 Tests)
Monosan NBT/BCIP (ready-to-use)	MON-APP184	15 mL
Monosan Permanent AP-Red Kit	MON-APP185	1 Kit (125 mL / 1250 Tests)
Monosan Permanent AP-Red Kit	MON-APP186	1 Kit (500 mL / 5000 Tests)
Monosan Methylgreen	MON-APP187	500 mL
Monosan Aqueous Mount	MON-APP188	30 mL
Monosan Aqueous Mount	MON-APP189	60 mL
Monosan PAP Pen	MON-APP190	Each
Monosan PAP Pen Mini	MON-APP191	Each
Monosan Streptavidin-AP Conjugate	MON-APP195	8 mL
Monosan Streptavidin-HRP Conjugate	MON-APP196	8 mL
Monosan Fixo Gum (Rubber Cement)	MON-APP197	50 g
Monosan Tween 20 (50%)	MON-APP198	20 mL
Monosan Enzyme Diluent (for Streptavidin-AP and -HRP conjugates)	MON-APP199	100 mL
Monosan Link Diluent (for Secondary Antibodies)	MON-APP200	100 mL
Monosan Plus (AP) Polymer anti-Rabbit	MON-APP201	1 Kit (6 mL / 60 Tests) Monosan Plus (HRP)