

A person wearing a white lab coat and gloves is using a pipette to transfer a red liquid into a multi-well plate. The scene is lit with a strong purple and blue light, creating a scientific and laboratory atmosphere. The background is slightly blurred, focusing attention on the hands and the pipette.

Dedication to the IVD industry?

# We I.V.D.O that™

Inflammation  
catalog

Medix Biochemica

# Introduction

Inflammation is part of the immune system's natural response to infection or tissue injury. Acute inflammation serves as a mechanism of initiating the elimination of infectious agents or damaged tissue by recruiting blood cells to kill invading micro-organisms, which in turn promotes wound healing. Classical symptoms of acute inflammation are redness of the skin, swelling, fever, and pain. If the inflammation persists, it can eventually cause chronic diseases including atherosclerosis, cancer, Alzheimer's or autoimmune diseases. For this reason, inflammation has become one of the most studied medical research areas. One of the most common biomarkers for diagnosing inflammation is C-reactive protein (CRP), which is measured from blood samples and indicates whether the inflammation is caused by bacteria. If CRP values rise, doctors will prescribe antibiotics

to treat a bacterial infection. If the inflammation is caused by viral infection, CRP levels do not normally increase and therefore antibiotics are not needed. High-sensitivity CRP (hs-CRP) is sometimes used to measure chronic inflammation as it is more precise than standard CRP when measuring baseline (i.e. normal) concentrations of CRP. Recently, other markers such as procalcitonin (PCT), interleukin-6 (IL-6) and serum amyloid A (SAA) have also become more widely used for diagnosis of acute inflammation.

Medix Biochemica has concentrated on inflammation biomarkers as a key focus area. For over 35 years, we have continually been at the forefront of monoclonal antibody development and native antigen purification using modern production methods with excellent batch-to-batch consistency.



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Product	Concentration mg/mL *	Catalog number
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### Alpha 1-antitrypsin (A1AT)

is a glycoprotein, generally known as serum trypsin inhibitor, that protects the lungs from the destructive actions of blood enzymes. Disorders of this protein include AAT-deficiency, a hereditary condition leading to a chronic uninhibited tissue breakdown.

MONOCLONAL ANTIBODIES		
AAT	1002	5 100209
	1003	5 100210

### C-reactive Protein (CRP)

is a protein found in the blood, whose rise in response to inflammation. CRP values are useful in determining disease progress or the effectiveness of treatments.

MONOCLONAL ANTIBODIES		
CRP	6402	5 100145
	6403	5 100146
	6404	2 100058
	6404	6 100061
	6405	5 100358
	6407	5 100147

### Calprotectin

belongs to the family of S100 proteins and is composed of two subunits S100A8 and S100A9. Increased concentrations are found in response to infections and inflammation.

MONOCLONAL ANTIBODIES		
S100A9	3403	5 100460
S100A8	3404	5 100468
	3405	5 100469
	3406	5 100470
S100A8/A9	3407	5 100618
RECOMBINANT ANTIGENS		
S100A8/A9 antigen	100 µg	610061
S100A8 antigen	50 µg	710018
	500 µg	710035
	1000 µg	710034
S100A9 antigen	50 µg	710019
	500 µg	710037
	1000 µg	710036

Product	Concentration mg/mL *	Catalog number
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### Interleukin-6 (IL-6)

acts as both pro-inflammatory and anti-inflammatory cytokine. IL-6 is relevant to many disease processes such as diabetes, atherosclerosis, depression, Alzheimer's Disease, cancer, and rheumatoid arthritis.

MONOCLONAL ANTIBODIES		
IL-6	2703	5 100328
	2704	5 100329
	2706	5 100330
	2707	5 100798
RECOMBINANT ANTIGENS		
IL-6 antigen	50 µg	710015
	500 µg	710039
	1000 µg	710038

### Interleukin-8 (IL-8)

is a chemokine which serves as a chemical signal that attracts neutrophils at the site of inflammation. IL-8 is a promising marker for many clinical conditions with inflammation.

MONOCLONAL ANTIBODY		
IL-8	1501	5 100218

### Lactoferrin

is an antimicrobial protein, also known as lactotransferrin, which transfers iron to the cells. It is used in fecal testing to detect inflammation in the intestine. Lactoferrin levels are associated with disease severity in inflammatory bowel disease (IBD).

RECOMBINANT ANTIGENS		
Lactoferrin antigen	50 µg	710016
	500 µg	710041
	1000 µg	710040

### Neutrophil Gelatinase-Associated Lipocalin (NGAL)

also known as lipocalin-2, is used as a biomarker of kidney injury, and has also been shown to play a role in cancer and cardiovascular events.

MONOCLONAL ANTIBODIES		
NGAL	4202	5 100579
	4203	5 100580
	4204	5 100581
	4205	5 100582
RECOMBINANT ANTIGEN		
NGAL antigen	100 µg	610012

Product	Concentration mg/mL *	Catalog number
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### Procalcitonin (PCT)

is a precursor protein of the hormone calcitonin, and is associated with systemic infections. In clinical diagnostics, a PCT test is most often used to identify patients with sepsis.

MONOCLONAL ANTIBODIES		
PCT	4003	5 100562
	4004	5 100563
	4005	5 100564
	4006	5 100567
	4008	5 100769
	4051	>1 700020
RECOMBINANT ANTIGEN		
PCT antigen	100 µg	610080

### Serum Amyloid A (SAA)

is associated with HDL during inflammatory states. The blood level of SAA increases dramatically in response to tissue injury and inflammation.

MONOCLONAL ANTIBODIES		
SAA	2201	5 100279
	RC2201	5 140026 <sup>NEW</sup>
	2203	5 100289
	2205	5 100802
	2208	5 100805
	2209	5 100806
	2211	5 100808
	2212	5 100809
	2213	5 100810
RECOMBINANT ANTIGEN		
SAA antigen	100 µg	610070

### Transferrin

regulates the amount of free iron in circulation. Transferrin concentration elevates in anemia, and can also be used to diagnose other clinical conditions.

MONOCLONAL ANTIBODIES		
Transferrin	3104	5 100525
	3105	5 100440
	3106	5 100474

### Trypsinogen-2

is the precursor form of the pancreatic enzyme trypsin. Determination of urine trypsinogen-2 is a useful test to detect acute pancreatitis and to evaluate disease severity.

MONOCLONAL ANTIBODIES		
Trypsinogen-2	8603	5 100107
	8607	5 100108

Product	Source	Purity	Form	Catalog number
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### Alpha-1-Acid Glycoprotein (A1AG)

NATIVE ANTIGEN				
A1AG	Human Plasma	High Purity	Lyophilized	102-11

### Alpha-1 Antitrypsin (A1AT)

NATIVE ANTIGEN				
A1AT	Human Plasma	High Purity	Lyophilized	106-11
POLYCLONAL ANTIBODY				
A1AT	Goat anti-Human	High Purity	Liquid	GAIT-80A

### C-Reactive Protein (CRP)

NATIVE ANTIGENS				
CRP	Human Pleural Fluid	High Purity	Liquid Lyophilized	140-11 140-12
RECOMBINANT ANTIGEN				
CRP	Recombinant	High Purity	Liquid	140-11R
POLYCLONAL ANTIBODY				
CRP	Goat anti-Human	High Purity	Liquid	GCRP-80A

### Complement Component 3 (C3c)

NATIVE ANTIGENS				
C3c	Human Plasma	High Purity	Liquid Lyophilized	194-31 194-32

### Complement Component 4 (C4c)

NATIVE ANTIGENS				
C4c	Human Plasma	High Purity	Liquid Lyophilized	194-41 194-42

### Ceruloplasmin (Cp)

NATIVE ANTIGEN				
Cp	Human Plasma	High Purity	Lyophilized	187-51

Product	Source	Purity	Form	Catalog number
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### Haptoglobin (Hp)

**NATIVE ANTIGENS**

Hp (mixed genotype)	Human Plasma	High Purity	Lyophilized	330-11
Hp (1-1)			Lyophilized	330-12
Hp (2-2)			Lyophilized	330-13

**POLYCLONAL ANTIBODIES**

Hp	Goat anti-Human	High Purity	Liquid	GHPT-80A
Hp	Rabbit anti-Human	High Purity	Lyophilized	RHPT-80A

### Interleukin-6 (IL-6)

**RECOMBINANT ANTIGEN**

IL-6	Recombinant	High Purity	Liquid	341-36
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### Neutrophil Gelatinase-Associated Lipocalin (NGAL)

**NATIVE ANTIGEN**

NGAL	Human Leukocytes	High Purity	Liquid	342-49
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**RECOMBINANT ANTIGEN**

NGAL	Recombinant	High Purity	Lyophilized	342-49R
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**POLYCLONAL ANTIBODY**

NGAL	Goat anti-Human	High Purity	Liquid	GNGAL-80A-Z
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### Rheumatoid Factor (RF)

**CONCENTRATE**

RF IgM highly concentrated	Human Plasma	Purified	Liquid	508-27
RF IgM concentrated	Human Plasma	Purified	Liquid	508-10

**BIOLOGICAL MATERIALS**

RF Samples	Human Plasma	High Titer	Liquid	991-58-S-RF
	Human Serum	High Titer	Liquid	991-24-S-RF
RF Bulk	Human Plasma	High Titer	Liquid	991-55
	Human Serum	High Titer	Liquid	991-24-RF

Product	Source	Purity	Form	Catalog number
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### Procalcitonin (PCT)

**RECOMBINANT ANTIGEN**

PCT	Recombinant	High Purity	Liquid	496-70
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### Serum Amyloid A (SAA)

**RECOMBINANT ANTIGEN**

SAA	Recombinant	High Purity	Liquid	527-18
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Product	Source	Applications	Matched pairs	Catalog number
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### Alpha 1 Acid Glycoprotein (A1AG)

**ANTIGEN**

Alpha 1 Acid Glycoprotein Antigen ≥95%	E. coli	Control	HM071	LA313
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### Calprotectin

**MONOCLONAL ANTIBODY**

Calprotectin Antibody	Mouse	ELISA, Lateral Flow, TIA	HM632 (self-pairs)	HM632
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### Heparin Binding Protein (HBP)

**MONOCLONAL ANTIBODY**

Heparin Binding Protein (HBP) Antibody	Mouse	ELISA, CLIA, LF	HM722 (capture or detection)	HM721
Heparin Binding Protein (HBP) Antibody	Mouse	ELISA, CLIA, LF	HM721 (capture or detection)	HM722

**ANTIGEN**

Heparin Binding Protein (HBP) Antigen, Recombinant	Mammalian cells	Control	HM721, HM722	LA537
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### Procalcitonin (PCT-katacalcin)

**MONOCLONAL ANTIBODY**

Procalcitonin (PCT-katacalcin) Antibody	Mouse	Lateral Flow	HM078 (capture)	HM220
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### Procalcitonin (PCT)

**ANTIGEN**

Procalcitonin (PCT) Antigen >95%	E. coli	ELISA, WB, Immunogen	HM563, HM564, HM698 or HM699	LA368
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### Serum Amyloid A (SAA)

**ANTIGEN**

Serum Amyloid A (SAA) Antigen, Native >95%	Human Serum	Immunogen, Control	HM689, HM690, HM691 or HM692	LA449
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# Medix Biochemica Group

Medix Biochemica is a global, market-leading supplier of critical raw materials to the *in vitro* diagnostics (IVD) industry. Our mission is to enable IVD customers to deliver accurate results to billions of patients worldwide. By working in partnership with Medix Biochemica, IVD manufacturers can reduce their time to market through our industry-leading expertise which increases efficiencies and builds quality into their tests. We achieve this through our deep scientific know-how combined with the broadest and most relevant raw material portfolio and our relentless focus on quality.

Medix Biochemica Group employs more than 260 professionals worldwide. With headquarters in Finland, we serve our worldwide customers through our local teams in the US, Europe, and Asia. [www.medixbiochemica.com](http://www.medixbiochemica.com)

# Close to our global customers

We serve our global customers from our sites in Finland, the USA, France, Germany and China.



## The first-choice partner

- Focusing on IVD manufacturers' needs
- Capability to support customers across the globe
- Focus on new product development based on customer needs
- Efficient and scalable manufacturing capabilities



## Widest portfolio

- Monoclonal antibodies
- Antigens for immunoassay materials
- Molecular diagnostics reagents
- Enzymes for clinical chemistry controls
- Biochemicals and biologicals



## Highest quality

- ISO 13485 & FDA QSR compliance
- Batch to batch consistency
- Scalable production capability from milligrams to kilograms

# Our values



## We care

We put the customer first; we care for the people and the world around us.



## We dare

We are ambitious and innovative; we take risks and dare to win with our customers.



## We deliver

We commit to our customers and keep our promises.

## Get in touch

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# Medix Biochemica

Ordering and product information

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