



# Magic™ Mouse Anti-Human Calprotectin

## Monoclonal antibody, clone 0602 (DMAB-CS24035)

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

### PRODUCT INFORMATION

<b>Specificity</b>	Specific for human calprotectin detection. No cross-reactivity with human, bovine and pig hemoglobin, human, bovine and pig transferrin and human and bovine lactoferrin.
<b>Target</b>	Calprotectin
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	0602
<b>Purification</b>	Multistep Purification Procedure
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, LFIA
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at 2-8°C.

# BACKGROUND

Introduction	Calprotectin is a calcium and zinc-binding protein that belongs to the S100 family and is very abundant in the cytosol of neutrophils. It is involved in many physiological functions, including cell differentiation, immune regulation, tumorigenesis, apoptosis, and it plays a major role during inflammation. Fecal calprotectin serves as a sensitive marker for inflammation in the gastrointestinal tract and is useful for differentiating inflammatory bowel disease (IBD) from irritable bowel syndrome (IBS).
Keywords	Calprotectin; S100A8/S100A9Heterodimer; S100A8/S100A9; S100A8/A9; MRP8/MRP14