

Product datasheet

anti-Calprotectin S100A8/A9 Complex mouse monoclonal, 69-6-1, lyophilized, purified

Short overview

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|----------------------|--|
| Cat. No. | 610191 |
| Quantity | 100 µg |
| Concentration | 100 µg/ml after reconstitution with 1 ml dist. water |

Product description

| | |
|--------------------------------------|--|
| Host | Mouse |
| Antibody Type | Monoclonal |
| Isotype | IgG2b |
| Clone | 69-6-1 |
| Immunogen | Recombinant protein |
| Formulation | Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4) |
| Conjugate | Unconjugated |
| Purification | Affinity chromatography |
| Storage before reconstitution | 2-8°C until indicated expiry date |
| Storage after reconstitution | Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles |
| Intended use | Research use only |
| Application | ELISA, IHC, WB |
| Reactivity | Human |

Applications

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|--|---|
| ELISA | 1:50 |
| Immunohistochemistry (IHC) - paraffin | 1:100-1:300 (microwave treatment recommended) |
| Western Blot (WB) | 1:1,000 |

Background

Calprotectin is a functional heterocomplex of small EF hand calcium binding proteins S100A8 and S100A9. The heterocomplex is expressed in various cells and tissues and induced upon inflammation. The complex is released by neutrophilic granulocytes in inflammatory disorders such as inflammatory bowel disease and rheumatoid arthritis. Released calprotectin serves as a leukocyte chemoattractant and modulates inflammation via damage receptors. Via its binding to the receptor of advanced glycation end-products (RAGE), calprotectin is implicated in chronic inflammation and was also linked to cancer formation.

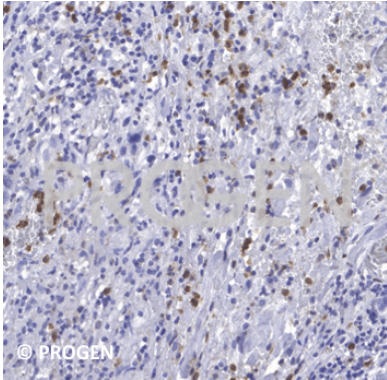
Tissue expression: strong expression in myeloid cells and psoriatic keratinocytes.

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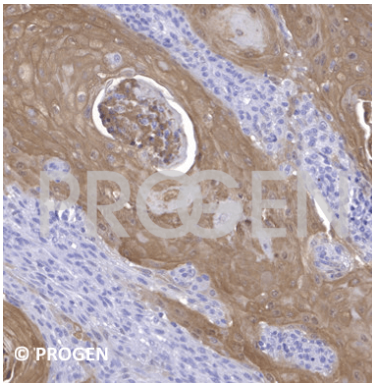
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Product images



Calprotectin positive cells in tumor stroma.



Calprotectin positive tumor cells in squamous cell carcinoma..