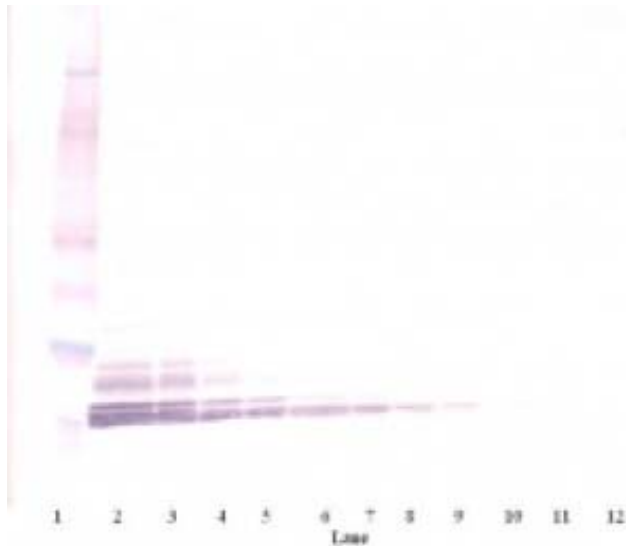


## Goat Anti-Human MIP-1 $\alpha$ Affinity Purified pAb

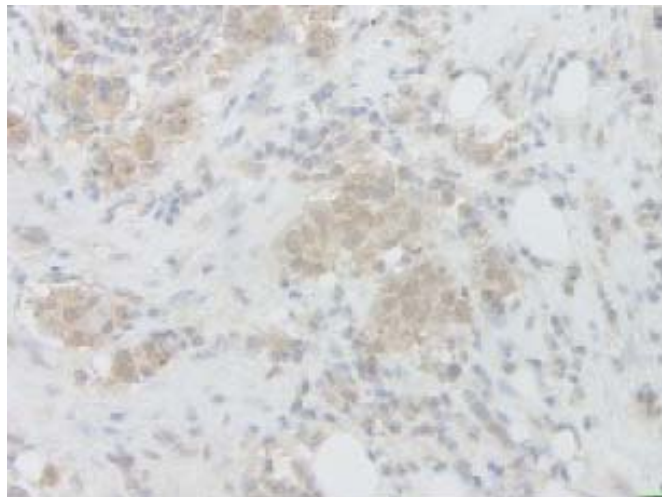
<b>Catalog No.</b>	PA0952	<b>Quantity:</b>	100 $\mu$ g
<b>Description:</b>	MIP-- $\alpha$ belongs to the family of chemotactic cytokines known as chemokines. In humans there are two major forms, MIP-1 $\alpha$ and MIP-1 $\beta$ , also known as CCL3 and CCL4, respectively. They are produced by many cells, particularly macrophages, dendritic cells, and lymphocytes. MIP-1 are best known for their chemotactic and proinflammatory effects but can also promote homoeostasis.		
<b>Specificity:</b>	Human		
<b>Host:</b>	Goat		
<b>Immunogen:</b>	Recombinant Human MIP-1 $\alpha$		
<b>Formulation:</b>	Lyophilized from sterile filtered PBS, pH 7.2.		
<b>Purification:</b>	Affinity chromatography on immobilized hMIP-1 $\alpha$ matrix		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute in sterile water to a concentration of 0.1 - 1.0 mg/mL.		
<b>Applications:</b>	ELISA, Western Blot, Immunohostochimistry		
<b>Application Notes:</b>	<p>ELISA</p> <p>To detect human MIP-1<math>\alpha</math> by direct ELISA (using 100 <math>\mu</math>L/well antibody solution) a concentration of at least 0.5 <math>\mu</math>g/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant human MIP-1<math>\alpha</math>.</p> <p>Western Blot:</p> <p>To detect human MIP-1<math>\alpha</math> by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 <math>\mu</math>g/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant human MIP-1<math>\alpha</math> is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p> <p>Immunohistochemistry</p> <p>To detect human MIP-1<math>\alpha</math> by immunohistochemistry, the recommended concentration is 5.0 <math>\mu</math>g/mL with an overnight incubation at 4 <math>^{\circ}</math>C. Heat-induced antigen retrieval at pH 9.0 is recommended.</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
<b>Storage &amp; Stability:</b>	Lyophilized product is stable for two years when kept at -20 $^{\circ}$ C. Reconstituted product is stable for two weeks at 2-8 $^{\circ}$ C. <b>Avoid repeated freeze-thaw cycles.</b>		



Western blot detection of human MIP-1 alpha using PA0952 at 0.1-0.2 µg/mL.



Immunohistochemical detection of MIP-1 alpha in formalin-fixed, paraffin-embedded sections of human breast carcinoma. An HRP-labeled polymer detection system was used with a DAB chromagen.



**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)