

## EGF

### Goat Anti-Mouse Epidermal Growth Factor Affinity Purified pAb

<b>Catalog No.</b>	PA0074	<b>Quantity:</b>	100 µg
<b>Description:</b>	<p>Epidermal growth factor has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide.</p> <p>Produced from sera of goats pre-immunized with highly pure (&gt;98%) Recombinant Mouse EGF. Anti-Murine EGF specific antibody was purified by Affinity chromatography employing immobilized Murine EGF matrix.</p>		
<b>Specificity:</b>	Mouse		
<b>Host:</b>	Goat		
<b>Immunogen:</b>	Recombinant Mouse EGF		
<b>Formulation:</b>	Lyophilized from sterile filtered solution (1.0 mg/mL) was lyophilized from 0.5X PBS pH 7.4.		
<b>Purification:</b>	Affinity Chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute in sterile water to a concentration of ≤0.2 mg/mL.		
<b>Applications:</b>	<p><b>ELISA:</b></p> <p>To detect EGF by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5µg/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 EGF.</p> <p><b>Western Blot:</b></p> <p>To detect EGF by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for Recombinant EGF is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
<b>Storage &amp; Stability:</b>	Stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted according to the above directions, the antibody is stable for at least six weeks at 2-4°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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