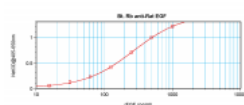
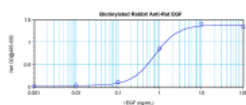




EGF Antibody (biotin)

CATALOG NUMBER: 38-211



To detect Rat EGF by direct ELISA (using 100 μ l/well antibody solution) a concentration of 0.25 – 1.0 μ g/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 – 0.4 ng/well of recombinant Rat EGF.

To detect Rat EGF by sandwich ELISA (using 100 μ l/well antibody solution) a concentration of 0.25 – 1.0 μ g/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with ProSci's Polyclonal Anti-Rat EGF (38-210) as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant Rat EGF.

Specifications

SPECIES REACTIVITY:	Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	<p>ELISA:</p> <p>Direct:</p> <p>To detect Rat EGF by direct ELISA (using 100 μL/well antibody solution) a concentration of 0.25 - 1.0 μg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Rat EGF.</p> <p>Sandwich</p> <p>To detect Rat EGF by sandwich ELISA (using 100 μL/well antibody solution) a concentration of 0.25 - 1.0 μg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with our polyclonal Anti-Rat EGF as a capture antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Rat EGF.</p> <p>Western Blot:</p> <p>To detect Rat EGF by Western Blot analysis this antibody can be used at a concentration of 0.5 - 1.0 μg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat EGF is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.</p>
USER NOTE:	Centrifuge vial prior to opening.
IMMUNOGEN:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant Rat EGF (Rat Epidermal Growth Factor). Rat EGF specific antibody was purified by affinity chromatography and then biotinylated.
HOST SPECIES:	Rabbit

Properties

PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	AntiEGF antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Biotin

Additional Info

ALTERNATE NAMES:	Pro-epidermal growth factorEGF
ACCESSION NO.:	P07522
PROTEIN GI NO.:	1352360
OFFICIAL SYMBOL:	Egf
GENE ID:	25313

Background

BACKGROUND:	Epidermal growth factor (EGF) has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells. 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. EGF exerts its actions by binding to the EGFR, a 170 kDa protein. Epidermal growth factor is also a key growth factor regulating cell survival. Through its binding to cell surface receptors, EGF activates an extensive network of signal transduction pathways that include activation of the PI3K/AKT, RAS/ERK and JAK/STAT pathways
--------------------	---

FOR RESEARCH USE ONLY

December 13, 2016