

**MONOCLONAL ANTIBODY TO
HUMAN RECOMBINANT EPIDERMAL GROWTH FACTOR
Clone F20**



Catalog nr	HM2015a (lot number and expiry date are indicated on the label)
Description	The epidermal growth factor (EGF) is a polypeptide consisting of 53 amino acids (MW 6 kD). EGF is able to stimulate cellular proliferation of both ectodermic and mesodermic origin. This bioregulatory activity is carried out through a specific surface receptor. This receptor is a glycoprotein consisting of 1186 amino acids (MW 170 kD) with a structural homology to the v-erbB oncogene. The antibody to recombinant human EGF is able to inhibit the binding of recombinant human EGF to the EGF receptor. The antibody exhibits very high affinity for recombinant human EGF. The antibody does not cross react with mouse EGF.
Species	Mouse IgG ₁
Formulation	Lyophilized product in PBS, containing 100 µg antibody. Reconstitute the vial by injection of 1 ml sterile distilled or de-ionized water (Caution: vial is under vacuum).
Application	The antibody to recombinant human EGF inhibits binding of human recombinant EGF to the EGF receptor
Use	For neutralization of biological activity dilutions have to be made according to the amounts of EGF to be inactivated.
Storage and stability	Lyophilized product should be stored at 4°C. Store stock solution in aliquots at -20°C. Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hbt is not responsible for any patent infringements that might result with the use of or derivation of this product.
References	1. Carpenter, G et al; Receptors for epidermal growth factor and other polypeptide mitogens. Ann Rev Biochem 1987, 56: 881
Also available	HM2015b Monoclonal antibody against Human Epidermal Growth Factor, clone F20; 500 µg