

36-2197: Anti-EGFR (Epidermal Growth Factor Receptor) Monoclonal Antibody(Clone: SPM341)

Clonality :	Monoclonal
Clone Name :	SPM341
Application :	FACS,IF,WB,IHC
Reactivity :	Human
Gene :	EGFR
Gene ID :	1956
Uniprot ID :	P00533
Alternative Name :	ErbB1; ERBB1; Errp; HER1; mENA; PIG61; Proto-oncogene c-ErbB-1; Receptor Tyrosine Protein Kinase; ErbB1; Urogastrone; wa2; Wa5
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant fragment of human EGFR protein (around aa 344-492) (exact sequence is proprietary)

Description

This MA b recognizes a protein of 170kDa, identified as EGFR. EGFR is type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- α (TGF- α), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. EGFR is overexpressed in tumors of breast, brain, bladder, lung, gastric, head neck, esophagus, cervix, vulva, ovary, and endometrium. It is predominantly present in squamous cell carcinomas.

Product Info

Amount :	20 μ g / 100 μ g
Content :	200 μ g/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2 μ g/million cells); Immunofluorescence (1-2 μ g/ml); Western Blot (1-2 μ g/ml); Immunohistochemistry (Formalin-fixed) (1-2 μ g/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 $\text{\textcircled{C}}$ followed by cooling at RT for 20 minutes);

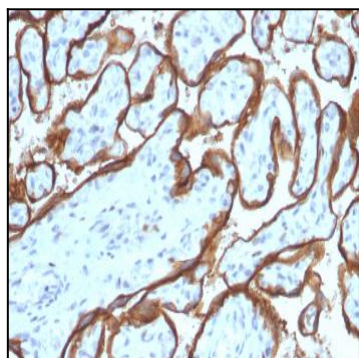


Fig. 1: Formalin-fixed, paraffin-embedded human Placenta stained with EGFR Mouse Monoclonal Antibody (SPM341).