

Mouse anti-EGFR Purified, clone EGFR1 (Monoclonal)

Clone no. EGFR1

MONOSAN

Product name	Mouse anti-EGFR Purified, clone EGFR1 (Monoclonal)
Host	Mouse
Applications	FC , IP, IHC-Fr, ICC
Species reactivity	Horse, Human
Conjugate	-
Immunogen	Human epidermoid carcinoma line A431
Isotype	IgG2b kappa
Clonality	Monoclonal
Clone number	EGFR1
Size	0.1 mg
Concentration	1 mg/ml
Format	Purified by protein-A affinity chromatography.
Storage buffer	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

The oncoprotein EGFR (epidermal growth factor receptor), also known as HER1 / ErbB1, is a member of ErbB family of cell surface receptor tyrosine kinases. This 170 kDa transmembrane glycoprotein is often associated with cancerogenesis, although its activation state is controlled at various levels including trafficking and degradation steps. Binding of receptor-specific ligands to the EGFR ectodomain results in formation of homodimeric or heterodimeric kinase-active complexes into which HER2 / ErbB2 is recruited as a preferred partner. Subsequent signaling cascades such as RAS/MAPK and PI3K/AKT pathways lead to cell proliferation and survival responses.

SpecificityThe mouse monoclonal antibody EM-35 recognizes an extracellular epitope on FOLR2, a 30-40 kDa cell surface protein serving as a receptor for folic acid.

Application detailsFlow cytometry: Recommended dilution: 2-6 µg/ml.

References

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2. -
3. -
4. -
5. -

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