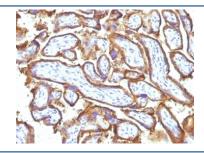


# EGFR Antibody Cocktail [clone 31G7 + GFR1195] (V2488)

Catalog No.	Formulation	Size
V2488-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2488-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2488SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2488IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	31G7 + GFR1195
Purity	Protein G affinity chromatography
UniProt	P00533
Localization	Cell surface
Applications	Flow Cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT
Limitations	This EGFR antibody cocktail is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human placenta stained with EGFR antibody (31G7 + GFR1195).

### **Description**

This mAb 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 Factora (TGF-a), 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.

### **Application Notes**

Optimal dilution of the EGFR antibody cocktail should be determined by the researcher.

- 1. Digest formalin-fixed tissues with Protease at 1mg/ml PBS, pH 7.4 for 10 min at 37oC
- 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

#### **Immunogen**

Human EGF Receptor purified from A431 cells (31G7) and recombinant human protein (GFR1195) were used as the immunogen for the EGFR antibody cocktail.

### **Storage**

Store the EGFR antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).