

# iFluor™ 647 Conjugated Anti-HER3 Antibody [R5] HA720181F



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	FC
<b>Molecular Wt:</b>	Predicted band size: 148 kDa
<b>Clone number:</b>	R5

**Description:** This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized.

**Conjugate:** iFluor™ 647, Ex: 656nm; Em: 670nm.

**Immunogen:** Recombinant protein within Human HER3 Extracellular domain.

**Positive control:** MCF-7, SK-Br-3.

**Subcellular location:** Cell membrane; Secreted.

**Database links:** SwissProt: P21860 Human

**Recommended Dilutions:**  
FC 1:100-1:1,000

**Storage Buffer:** Preservative: 0.02% Sodium azide Constituents: 30% Glycerol, 1% BSA, 68.98% PBS.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

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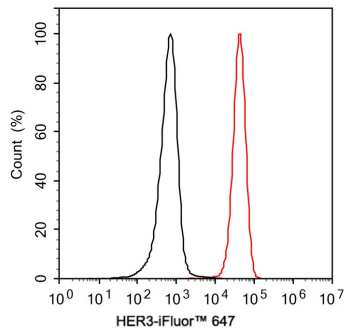
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Service mail:support@huabio.cn

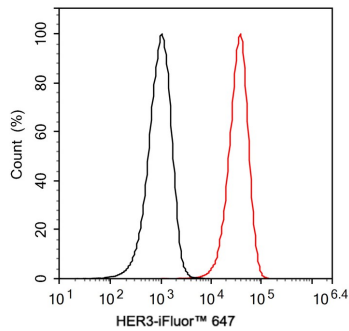
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## Images



**Fig1:** Flow cytometric analysis of MCF-7 cells labeling HER3.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA720181F, 1ug/ml) (red). Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



**Fig2:** Flow cytometric analysis of SK-Br-3 cells labeling HER3.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA720181F, 1ug/ml) (red). Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Koganemaru S. et. al. U3-1402, a Novel HER3-Targeting Antibody-Drug Conjugate, for the Treatment of Colorectal Cancer. Mol Cancer Ther. 2019 Nov
2. Hyman DM. et. al. HER kinase inhibition in patients with HER2- and HER3-mutant cancers. Nature. 2018 Feb

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