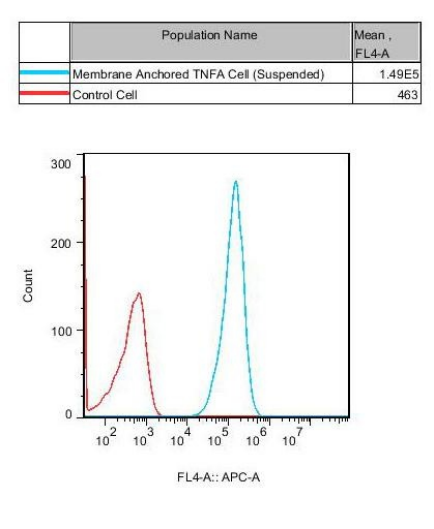
Luciferase Human TNFα Overexpression CHO-K1 Cell Line

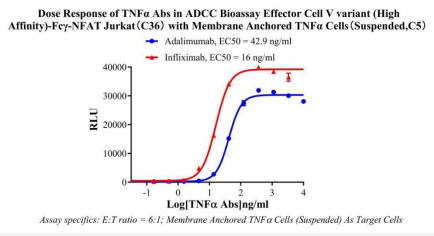
Catalog # U1547 Size

Applications



Flow Cytometry

Recombinant Membrane Anchored TNFα Cell (Suspended) constitutively expressing TNFα.



Inhibition Assay

Dose response of TNFα Abs in ADCC Bioassay Effector Cell V variant (High Affinity)-Fcγ-NFAT Jurkat (C36) with Membrane Anchored TNFα Cell (Suspended, C5).

Specification

Product Description	Human TNFα CHO-K1 Stable Cell Line.
Package	1x10^6 Cells/mL
Transfected Cell Line	CHO-K1
Immunogen	TNF

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Host	Hamster
Reactivity	Human
Form	Liquid
Preparation Method	plasmid transfection
Recommend Usage	Functional(Report Gene) Assay
Growth Properties	Adherent
Selection Marker	blasticidin
Culture Medium	F12K+10%FBS+5ug/ml blasticidin
Storage Buffer	10% DMSO, recombinant albumin (expressed in E. coli), trehalose, methylcellulose, and HEPES.
Storage Instruction	Liquid nitrogen immediately upon receipt
Note	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES OR THERAPEUTIC APPLICATIONS.

Applications

- Flow Cytometry

  Recombinant Membrane Anchored TNFα Cell (Suspended) constitutively expressing TNFα.

- Inhibition Assay

  Dose response of TNFα Abs in ADCC Bioassay Effector Cell V variant (High Affinity)-Fcγ-NFAT Jurkat (C36) with Membrane Anchored TNFα Cell (Suspended, C5).

Gene Info — ERBB2

Entrez GeneID	2064
GeneBank Accession#	NM_004448
Protein Accession#	P01375
Gene Name	ERBB2
Gene Alias	CD340, HER-2, HER-2/neu, HER2, NEU, NGL, TKR1

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Gene Description	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
Omim ID	137215 137800 164870 211980
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq
Other Designations	c-erb B2/neu protein|erbB-2|herstatin|neuroblastoma/glioblastoma derived oncogene homolog|v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog)

Pathway

- Adherens junction
- Bladder cancer
- Calcium signaling pathway
- Endometrial cancer
- ErbB signaling pathway
- Focal adhesion
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer

Disease

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- Adenocarcinoma
- Ataxia telangiectasia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cell Transformation
- Cleft Lip
- Cleft Palate
- Colorectal Neoplasms
- Disease Progression
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fibroadenoma
- Gastritis
- Genetic Predisposition to Disease
- Glioma
- Head and Neck Neoplasms
- Heart Diseases
- Kidney Failure
- Laryngeal Neoplasms
- Lung Neoplasms
- Lymphatic Metastasis
- Mouth Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis

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- Neoplasm Recurrence
- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Papillomavirus Infections
- Pharyngeal Neoplasms
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Skin Neoplasms
- Stomach Neoplasms
- Thyroid Neoplasms
- Tooth Abnormalities
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Werner syndrome

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