

Datasheet for ABIN7654961
anti-HGF antibody (CF®594)



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Overview

Quantity:	100 µL
Target:	HGF
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HGF antibody is conjugated to CF®594
Application:	Please inquire

Product Details

Purpose:	HGF / SF(EGH2 4C12.1), CF594 conjugate
Immunogen:	Recombinant full-length human HGF/SF protein.
Clone:	EGH2 4C12-1
Isotype:	IgG2b, kappa
Characteristics:	This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorigenesis, and tissue regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are

Product Details

associated with nonsyndromic hearing loss. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	HGF
Alternative Name:	HGF
Background:	Synonyms: F-TCF, Fibroblast derived tumor cytotoxic factor, Hepatocyte growth factor (hepapoietin A, scatter factor), Hepatocyte growth factor beta chain, Hepatopoietin-A, HGF, HGFB, HPTA, Lung fibroblast derived mitogen, Scatter Factor Gene Symbol: HGF
Molecular Weight:	91/64/34 kDa precursor//
Gene ID:	3082
UniProt:	P14210
Pathways:	RTK Signaling , Carbohydrate Homeostasis , Glycosaminoglycan Metabolic Process , Synaptic Membrane , Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µL for flow cytometry
Comment:	Positive Control: HGF lysate.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL

Handling

Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months