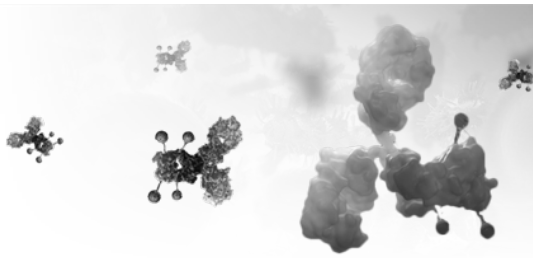

Anti-TFRC monoclonal antibody, clone 12G6 (DMAB1727MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Transferrin receptor protein 1 (TfR1) also known as (Cluster of Differentiation 71) (CD71) is a protein that in humans is encoded by the TFRC gene. TfR1 is required for iron delivery from transferrin to cells.
Specificity	Human soluble transferrin receptor
Immunogen	Purified human soluble transferrin receptor
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	12G6
Purification	>90% pure (SDS-PAGE). Protein A Sepharose chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Centrifuge before opening to ensure complete recovery of vial contents. Recommended pairs for sandwich immunoassay: • **Capture** DMAB1829MH • **Detection** DMAB1727MH

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Format	Purified, Liquid
Concentration	3.8mg/ml (Sigma protein assay kit)
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

GENE INFORMATION

Gene Name	TFRC transferrinreceptor (p90, CD71) [Homo sapiens]
Official Symbol	TFRC
Synonyms	TFR; CD71; TFR1; TRFR; TFRC; ransferrin receptor protein 1; T9; TR; p90; OTTHUMP00000208523; OTTHUMP00000208524; OTTHUMP00000208525
Entrez Gene ID	7037
Protein Refseq	NP_001121620
UniProt ID	P02786
Chromosome Location	3q26.2-qter
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Iron uptake and transport, organism-specif
Function	Hsp70 protein binding; chaperone binding; peptidase activity; receptor activity; transferrin receptor activity

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