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Anti-THY1/Cd90 Rabbit Monoclonal Antibody

Catalog Number: M01818-1

Overview

Product Name	Anti-THY1/Cd90 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-THY1/Cd90 Rabbit Monoclonal Antibody catalog # M01818-1. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal AOFC-20
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04216

Technical Details

Immunogen	A synthesized peptide derived from human THY1
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200

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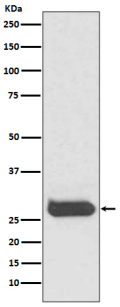
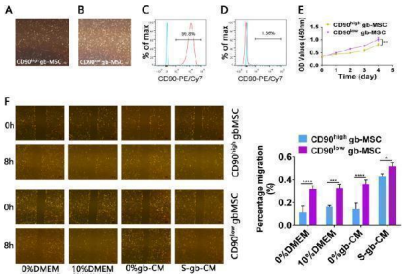
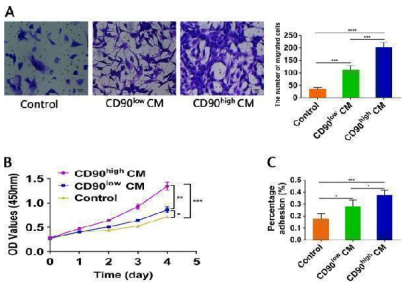
Anti-THY1/Cd90 Rabbit Monoclonal Antibody (M01818-1) Images



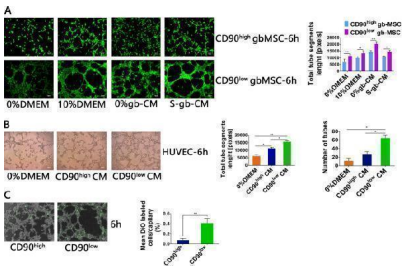
Western blot analysis of CD90 expression in human fetal brain lysate.



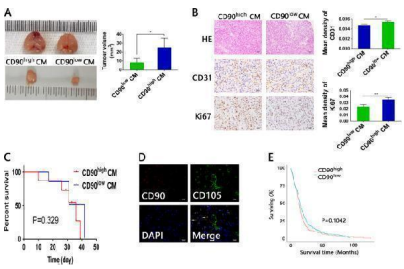
Characteristics of CD90 high and CD90 low gbMSCs cultured in vitro. a , b Adherent growth patterns of CD90 high and CD90 low gbMSCs cultured in 10% DMEM (×40, scale bars = 200 μm). c FACS analysis of sorted CD90 high gbMSCs (n ≥ 3). d FACS analysis of sorted CD90 high gbMSCs (n ≥ 3). e Growth of CD90 high and CD90 low gbMSCs cultured in 10% DMEM (n ≥ 3). * P



The migration, proliferation and adhesion capacities of U87 cells incubated with different media in vitro. a Transwell assay of U87 cells cultured for 24 h in different media (n ≥ 3) (serum-free medium, CD90 low CM and CD90 high CM). * P



Tube formation capacity of gbMSCs and HUVECs incubated in different media. a Angiogenic capacity of CD90 high and CD90 low gbMSCs cultured in 0%DMEM, 10%DMEM, 0%gb-CM and S-gb-CM for 6 h on Matrigel (×100, scale bars = 100 μm). (n ≥ 3) * P



Conditioned media from CD90 high and CD90 low gbMSCs have different functions in vivo. a Representative mice from intracranial xenograft experiments in which U87 cells with CD90 high CM (left) or U87 cells with CD90 low CM (right) were injected into the right frontal lobes of nude mice. Obviously, the sizes of the CD90 high CM group tumours were greater than those of their CD90 low CM counterparts. * P

The VEGF, IL-6, bFGF, MMP9, CCL5 and SDF-1alphalevels in different treatment media by ELISA. a The VEGF (n ≥ 3)

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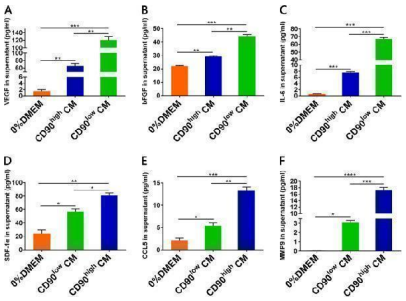
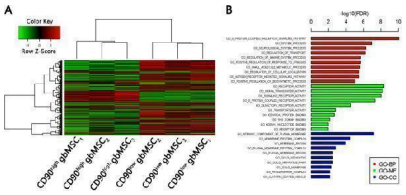
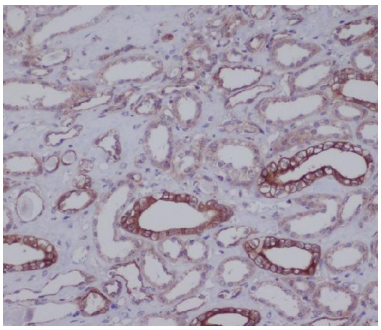


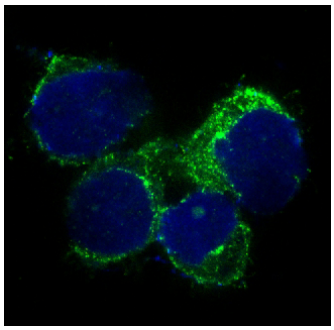
levels were significantly higher in CD90 low CM compared to those in CD90 high CM and 0%DMEM. b The bFGF (n ≥ 3) levels were significantly higher in CD90 low CM compared to those in CD90 high CM and 0%DMEM. c The IL-6 (n ≥ 3) levels were significantly higher in CD90 low CM compared to those in CD90 high CM and 0%DMEM. * d The SDF-1alpha (n ≥ 3) levels were higher in CD90 high CM compared to those in CD90 low CM and 0%DMEM. e The CCL5 (n ≥ 3) levels were higher in CD90 high CM compared to those in CD90 low CM and 0%DMEM. f The MMP9 (n ≥ 3) levels were significantly higher in CD90 high CM compared to those in CD90 low CM and 0%DMEM. P



Clariom D expression profiles of CD90 high and CD90 low gbMSCs (n = 3). a Heatmap of differentially expressed lncRNAs from a microarray assay performed on CD90 high and CD90 low gbMSCs. ‘Red’ indicates high relative expression, and ‘green’ indicates low relative expression. b GO terms for the predicted targeted genes. P



Immunohistochemical analysis of paraffin-embedded human kidney, using CD90 Antibody.



Immunofluorescent analysis of U87-MG cells, using CD90 Antibody.

2 Publications Citing This Product

1. PubMed ID: 28341839, Therapeutic efficacy of neural stem cells originating from umbilical cord-derived mesenchymal stem cells in diabetic retinopathy

2. PubMed ID: 24820950, Li F, Xu Y, Xu X, Xu B, Zhao J, Zhang X. Mol Med Rep. 2014 Jul;10(1):322-8. Doi: 10.3892/Mmr.2014.2220. Epub 2014 May 8. Fms-Related Tyrosine Kinase??3 Ligand Promotes Proliferation Of Placenta Amnion And Chorion Mesenchymal Stem Cells In??vitro.

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