

Rabbit IgG Isotype Control

Product Details

Size	10 mg
Host/Isotype	Rabbit / IgG
Class	Control
Type	Isotype Control
Conjugate	Unconjugated
Form	Liquid
Concentration	5 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2532938

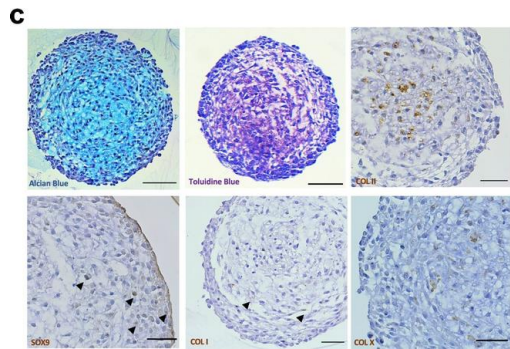
Applications	Tested Dilution	Publications
Western Blot (WB)	-	0 Publication
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Immunocytochemistry (ICC/IF)	-	0 Publication
Flow Cytometry (Flow)	Assay-Dependent	0 Publication
Immunoprecipitation (IP)	-	0 Publication
ChIP assay (ChIP)	-	0 Publication
Control (Ctrl)	Assay-Dependent	0 Publication
RNA Immunoprecipitation (RIP)	-	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

Rabbit IgG is purified from pooled normal rabbit serum. Purity is verified by SDS-PAGE analysis. Concentration is 5.0 mg/mL based on an E (1%) = 14.0 at 280 nm.

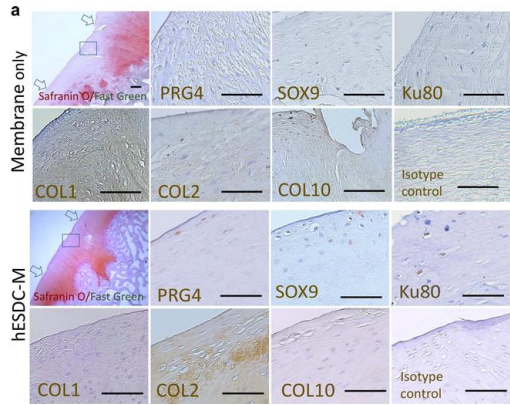
Rabbit IgG Isotype Control (02-6102) in IHC

hESDC-M produce paracrine factors that drive chondrogenesis of endogenous cells. a Schematic depicting the methylcellulose (MC) culture method created with Biorender.com. b Clonogenicity of porcine bone-marrow derived stromal cells (pBMSCs) in MC with different GFs; n = 4 biological replicates. Representative image of a pBMSC-derived colony after 4 weeks in MC with 3 growth factors (right); scale bar = 100 μm. c Alcian Blue and Toluidine Blue staining (left, middle) and immunohistochemical staining various chondrogenic markers of pBMSCs grown in MC with 3 GFs after 4 weeks. Scale bar = 100 μm. d qPCR of chondrogenic genes (n = 5 biological replicates for P1 pBMSCs and P0 Ch, n = 4 for pBMSCs in MC, and n = 3 for pBMSCs cultured micromass). e Schematic of the MC with Transwell culture method. f Clonogenicity of pBMSCs in MC with a membrane only or hESDC-M in Transwell after 4 weeks, n = 3 biological replicates per group. Representative images of pBMSCs in the Transwell after 4 weeks are shown; scale bar = 100 μm. g qPCR of chondrogenic genes from pBMSCs grown in Transwell with hESDC-M, n = 4 biological replicates. p-values were calculated with an unpaired Student's t-test; data presented as mean ± SD or box and whisker plots showing all points. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/34815400>), licensed under a CC BY license.



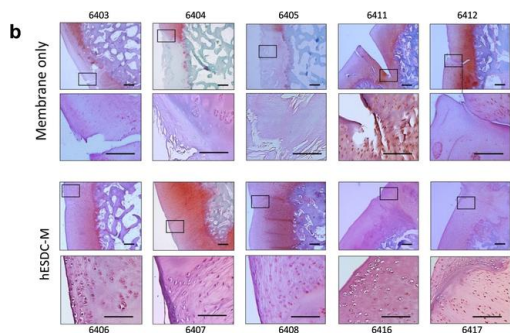
Rabbit IgG Isotype Control (02-6102) in IHC

hESDC-M treated defects evidence superior repair and contain both human and pig cells at 6 months. a Histochemical staining of the full defect (indicated by arrows) for Safranin O/Fast Green to assess glycosaminoglycans for control (membrane only) and treated (hESDC-M) animals. Representative images of immunohistochemical staining of the boxed area for human-specific antigen Ku80 and zonal markers of articular cartilage for both control and treated femoral condyles are shown and highlighted with black triangles; scale bar = 200 μm. b Quantification of Ku80 + cells (mean ± SD of 5 biological replicates). c qPCR analysis of human TERT gene. Standard curve constructed with human chondrocyte genomic DNA allowed reliable detection of as few as 100 human cells (mean ± SD of 3 biological replicates). d Genomic DNA extracted from the indicated tissues was analyzed for the human TERT gene. Representative amplification plots are shown; human cells were detected in all defects of animals treated with hESDC-M. PBMCs = peripheral blood mononuclear cells. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/34815400>), licensed under a CC BY license.



Rabbit IgG Isotype Control (02-6102) in IHC

Focal articular cartilage defects treated with hESDC-M show improved repair at 6 months. a Gross visual appearance of all 10 defects created in the femoral condyle of control (membrane alone, top row) or treated (hESDC-M, bottom row) Yucatan minipig knees after 6 months. Scale bar = 10 mm. b Safranin O/Fast Green staining of the interface between the graft and endogenous tissue or the defect itself (boxes); where the boxed regions are shown at higher magnification below. Scale bar = 100 μm. c Histological scoring of sections from control and treated femoral condyles for the 14 parameters comprising the ICRS II cartilage repair scoring system (left); each point represents the average of both defects per animal. (Right) Aggregate score of all 14 parameters over the 10 defects scored. Identifiers above or under images represent each animal. p-value was calculated using unpaired Student's t-test; data presented as mean ± SD. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/34815400>), licensed under a CC BY license.



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Systemic and intrinsic functions of ATRX in glial cell fate and CNS myelination in male mice. Nat Commun (2023)

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