# Rabbit IgG Isotype Control

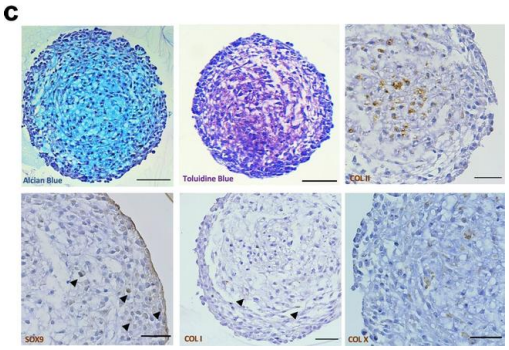
| Product Details | |
|---|---|
| Size | 10 mg |
| Host/Isotype | Rabbit / IgG |
| Class | Control |
| Type | Isotype Control |
| Conjugate | Unconjugated |
| Form | Liquid |
| Concentration | 5 mg/mL |
| Purification | purified |
| Storage buffer | PBS, pH 7.4 |
| Contains | 0.1% sodium azide |
| Storage 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 |

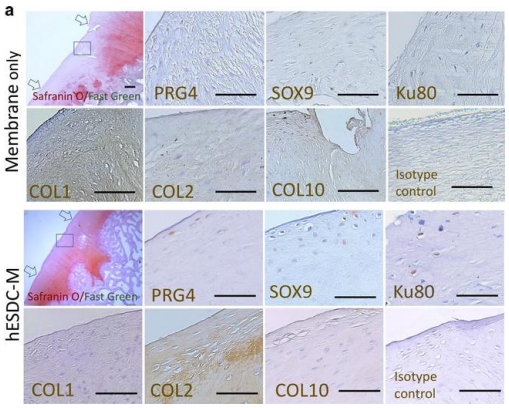
### Product Specific Information

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.

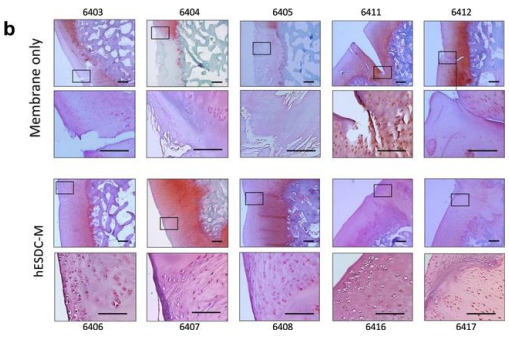
## Product Images For Rabbit IgG Isotype Control




**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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## 235 References

A genome wide CRISPR screen reveals that HOXA9 promotes Enzalutamide resistance in prostate cancer bioRxiv (2023)

Transgelin 2 guards T cell lipid metabolic programming and anti-tumor function Research Square (2023)

H3K27me3 spreading organizes canonical PRC1 chromatin architecture to regulate developmental programs bioRxiv (2023)

Identification of a regulatory pathway governing TRAF1 via an arthritis-associated non-coding variant. Cell Genom (2023)

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