

Product Datasheet

Activin RIA/ALK-2/Activin Receptor Type 1 Antibody (71412) [Unconjugated] MAB637-SP

Unit Size: 25 ug

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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MAB637-SP

Activin RIA/ALK-2/Activin Receptor Type 1 Antibody (71412) [Unconjugated]

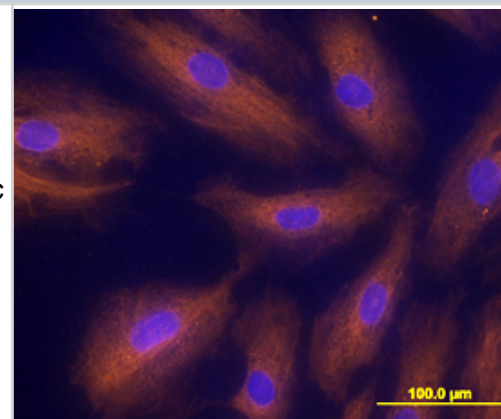
Product Information	
Unit Size	25 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
Clonality	Monoclonal
Clone	71412
Preservative	No Preservative
Reconstitution Instructions	Reconstitute at 0.5 mg/mL in sterile PBS.
Isotype	IgG1
Conjugate	Unconjugated
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. *Small pack size (SP) is supplied as a 0.2 µm filtered solution in PBS.

Product Description	
Host	Mouse
Gene ID	90
Gene Symbol	ACVR1
Species	Human
Specificity/Sensitivity	Detects human Activin RIA/ALK \square 2 in direct ELISAs and Western blots.
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Activin RIA/ALK \square 2 Asp23-Val124 Accession # Q04771
Notes	This product is produced by and ships from R&D Systems, Inc., a Bio-Techne brand.

Product Application Details	
Applications	Western Blot, Immunocytochemistry
Recommended Dilutions	Western Blot 1 ug/mL, Immunocytochemistry 8-25 ug/mL

Images

Activin RIA/ALK \square 2 was detected in immersion fixed HUVEC human umbilical vein endothelial cells using Mouse Anti-Human Activin RIA/ALK \square 2 Monoclonal Antibody (Catalog # MAB637) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (orange; Catalog # [NL007](#)) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).



Publications

Huse K, Bakkebo M, Oksvold MP, Forfang L, Hilden VI, Stokke T, Smeland EB, Myklebust JH Bone morphogenetic proteins inhibit CD40L/IL-21-induced Ig production in human B cells: differential effects of BMP-6 and BMP-7. Eur. J. Immunol., 2011;41(11):3135-45. 2011 [PMID: 21898381] (Neut, , Human)

Zeisberg M, Yang C, Martino M, Duncan MB, Rieder F, Tanjore H, Kalluri R Fibroblasts derive from hepatocytes in liver fibrosis via epithelial to mesenchymal transition. J. Biol. Chem., 2007;282(32):23337-47. 2007 [PMID: 17562716] (IHC Paraffin-embedded, , Mouse)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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