

À des fins de recherche uniquement

Anticorps Monoclonal anti-CD44

Numéro de catalogue: 60224-1-Ig

Phare

39 Publications



Informations de base

Numéro de catalogue: 60224-1-Ig	Numéro d'acquisition GenBank: BC004372	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1600 µg/ml by 960 Nanodrop and 1273 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): CD44 molecule (Indian blood group)	CloneNo.: 6F4H2
Hôte: Mouse	Nom complet: MW calculé 742 aa, 82 kDa	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG2a	MW observés: 80-95 kDa	
Immunogen Catalog Number: AG7633		

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
FC, IF, IHC, WB

Spécificité de l'espèce:
Humain, porc

Espèces citées:
Humain, Lapin, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules MDA-MB-231, cellules A549, cellules HeLa, cellules HUVEC, cellules U-251, tissu splénique de porc, tissu splénique humain

IHC : tissu de cancer du poumon humain, tissu d'amygdalite humain, tissu de cancer de l'œsophage humain, tissu de cancer du sein humain

IF : tissu de cancer du poumon humain,

Informations générales

CD44 is a type I transmembrane glycoprotein that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands. Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. This protein exists in multiple forms (with molecular weight ranging from 16 kDa to over 200 kDa) generated by alternative RNA splicing and extensive post-translational modifications.

Publications notables

Autrice	Pubmed ID	Journal	Application
Hongying Chen	34702291	J Nanobiotechnology	WB
Yuan Cao	31448319	Adv Mater Technol	IF
Yilu Qin	33511005	Adv Sci (Weinh)	IHC,IF

Stockage

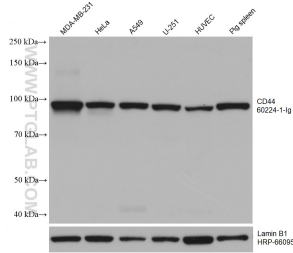
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

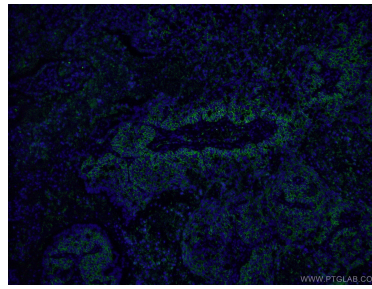
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

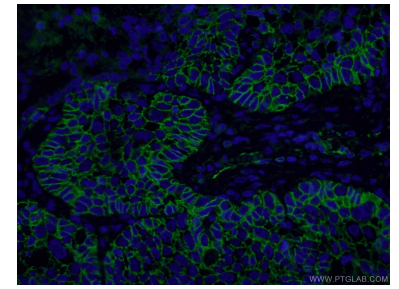
Données de validation sélectionnées



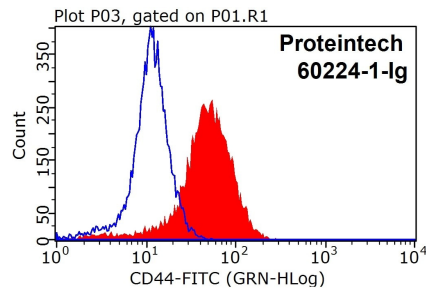
Various lysates were subjected to SDS PAGE followed by western blot with 60224-1-Ig (CD44 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



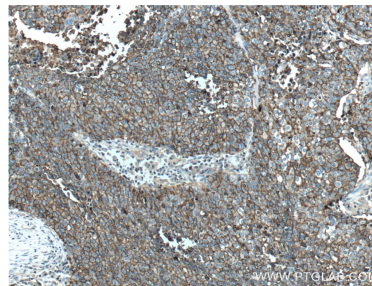
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using 60224-1-Ig (CD44 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



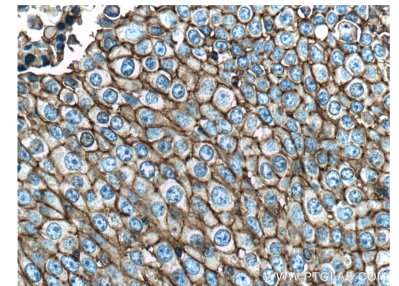
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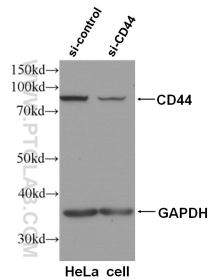
1X10⁶ Raji cells were stained with 0.2ug CD44 antibody (60224-1-Ig, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). FITC-Goat anti-mouse IgG with dilution 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60224-1-Ig (CD44 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60224-1-Ig (CD44 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of CD44 antibody (60224-1-Ig, 1:4000) with si-Control and si-CD44 transfected HeLa cells.