

For Research Use Only

Cytokeratin 13 Recombinant antibody, PBS Only

Catalog Number: 83058-4-PBS

Basic Information

Catalog Number: 83058-4-PBS	GenBank Accession Number: BC002661	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 3860	CloneNo.: 230366E8
Source: Rabbit	UNIPROT ID: P13646	
Isotype: IgG	Full Name: keratin 13	
Immunogen Catalog Number: AG0217	Calculated MW: 50 kDa	

Applications

Tested Applications:
IF/ICC, Indirect ELISA

Species Specificity:
Human

Background Information

Keratin 13 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in keratin 13 gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

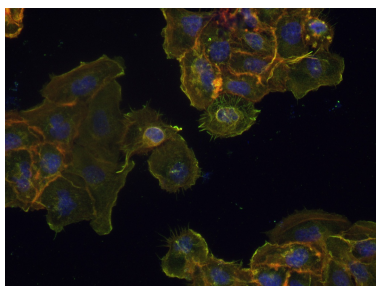
T: 4006900926

E: Proteintech-CN@ptglab.com

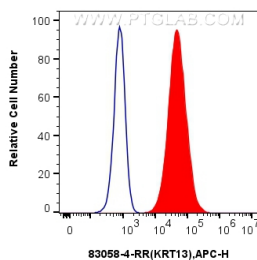
W: ptgcn.com

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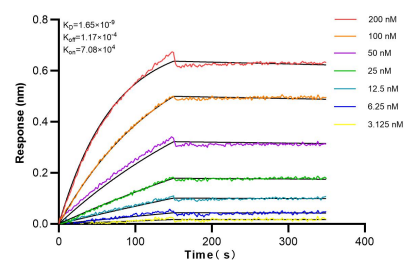
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Cytokeratin 13 antibody (83058-4-RR, Clone: 230366E8) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83058-4-PBS in a different storage buffer formulation.



1x10⁶ A431 cells were intracellularly stained with 0.25 ug Anti-Human KRT 13 (83058-4-RR, Clone:230366E8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83058-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83058-4-RR against Human Cytokeratin 13 were performed. The affinity constant is 1.65 nM.