

## PDGFR alpha Recombinant Antibody | PDGFRalpha recombinant antibody

Rabbit anti-PDGFR alpha Recombinant Monoclonal Antibody [BLR128H]

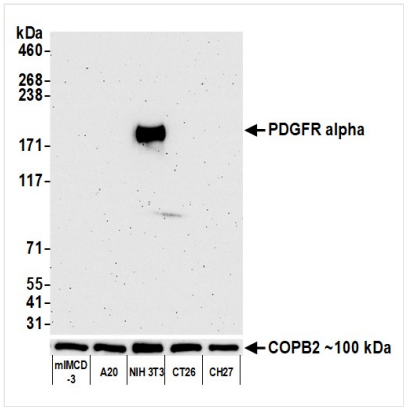
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                           |
|-----------|--------|--------------|--------------------------------------------------------|
| AAA213594 | Rabbit | Human, Mouse | Immunocytochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

PDGFR alpha; Monoclonal Recombinant Antibody; Rabbit anti-PDGFR alpha Recombinant Monoclonal Antibody [BLR128H]; platelet-derived growth factor receptor alpha; PDGFR-2; platelet-derived growth factor receptor 2; Platelet-derived growth factor alpha receptor; PDGFR-alpha; PDGF-R-alpha; platelet-derived growth factor receptor; alpha polypeptide; CD140a antigen; CD140A; CD140 antigen-like family member A; CD antigen CD140a; alpha-type platelet-derived growth factor receptor; Alpha platelet-derived growth factor receptor; PDGFR2; Platelet-derived growth factor receptor alpha; platelet derived growth factor receptor alpha; PDGFRalpha recombinant antibody

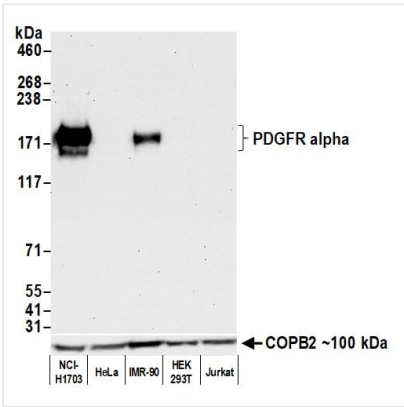
### PRODUCT SPECIFICATIONS

|                                                             |                                                                                          |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Host                                                        | Rabbit                                                                                   |
| Reactivity                                                  | Human, Mouse                                                                             |
| Clonality                                                   | Monoclonal                                                                               |
| Clone Number                                                | BLR128H                                                                                  |
| Purity/Purification                                         | Purified                                                                                 |
| Form/Format                                                 | Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free |
| Concentration                                               | 1000ug/ml (varies by lot)                                                                |
| Applicable Applications for PDGFRalpha recombinant antibody | ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)                   |
| Immunogen                                                   | Residues 24-525 (ECD)                                                                    |
| Conjugation                                                 | Unconjugated                                                                             |
| Preparation and Storage                                     | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                         |



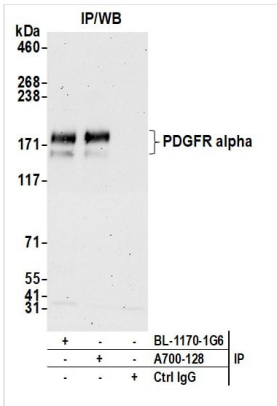
**WB (Western Blot)**

Detection of mouse PDGFR alpha by western blot. Samples: Whole cell lysate (50 ug) from mIMCD-3, A20, NIH 3T3, CT26, and CH27 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-PDGFR alpha recombinant monoclonal antibody (AAA213594 Lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-COPB2 antibody .



**WB (Western Blot)**

Detection of human PDGFR alpha by western blot. Samples: Whole cell lysate (50 ug) from NCI-H1703, HeLa, IMR-90, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Rabbit anti-PDGFR alpha recombinant monoclonal antibody (AAA213594 Lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



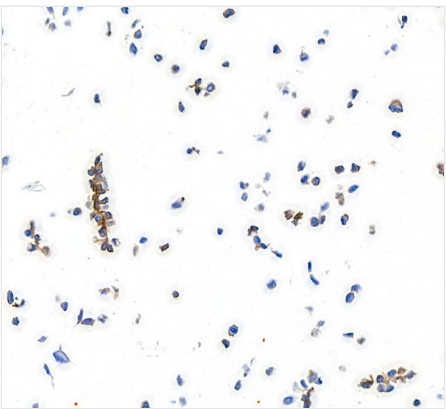
**IP (Immunoprecipitation)**

Detection of human PDGFR alpha by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 5% of IP loaded) from NCI-H1703 cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-PDGFR alpha recombinant monoclonal antibody (AAA213594 Lot 1) used for IP at 20 ul/mg lysate. PDGFR alpha was also immunoprecipitated by rabbit anti-PDGFR alpha antibody BL-1170-1G6. For blotting immunoprecipitated PDGFR alpha, AAA213594 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 75 seconds.



**ICC (Immunocytochemistry)**

Detection of human PDGFR alpha in FFPE NCI-H1703 cells by immunocytochemistry. Antibody: Rabbit anti-PDGFR alpha recombinant monoclonal antibody (AAA213594 Lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



**ICC (Immunocytochemistry)**

Detection of mouse PDGFR alpha in FFPE 3T3 cells by immunocytochemistry. Antibody: Rabbit anti-PDGFR alpha recombinant monoclonal antibody (AAA213594 Lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.

ADDITIONAL INFORMATION

|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PDGFRalpha recombinant antibody | Platelet derived growth factor receptor alpha is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both PDGFR alpha and beta polypeptides. PDGFR alpha plays a role in organ development, wound healing, and tumor progression [taken from NCBI Entrez Gene (Gene ID: 5156)]. |
| Product Categories/Family for PDGFRalpha recombinant antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 5453870                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 5156                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_006197.1                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_006206.4                                                                                                                                                                                                                                                     |
| UniProt Accession #              | P16234; Q6P4H5; Q96KZ7; Q9UD28; B2RE69; E9PBH0                                                                                                                                                                                                                  |
| Molecular Weight                 | 122,670 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | platelet-derived growth factor receptor alpha                                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | platelet-derived growth factor receptor, alpha polypeptide                                                                                                                                                                                                      |
| NCBI Official Symbol             | PDGFRA                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | CD140A; PDGFR2; PDGFR-2; RHEPDGFRA                                                                                                                                                                                                                              |
| NCBI Protein Information         | platelet-derived growth factor receptor alpha; PDGF-R-alpha; CD140a antigen; PDGFRA/BCR fusion; CD140 antigen-like family member A; platelet-derived growth factor receptor 2; alpha-type platelet-derived growth factor receptor; rearranged-in-hypereosinophi |
| UniProt Protein Name             | Platelet-derived growth factor receptor alpha                                                                                                                                                                                                                   |
| UniProt Gene Name                | PDGFRA                                                                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | PDGFR2; RHEPDGFRA; PDGF-R-alpha; PDGFR-alpha; PDGFR-2                                                                                                                                                                                                           |
| UniProt Entry Name               | PGFRA_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pdgfr-alpha-recombinant-antibody-clone-blr128h-immunocytochemistry-immunoprecipitation-western-blot-elisa/213594>