

Signal Transducer CD24/CD24 Active Protein | CD24/CD24 active protein

Recombinant Human Signal Transducer CD24/CD24 (C-mFc)

CATALOG #
AAA177953

HOST
Human Cells

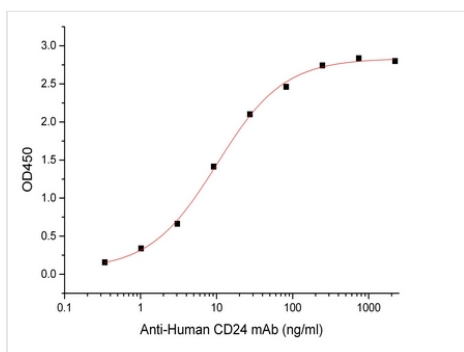
PRODUCT SYNONYMS

Signal Transducer CD24/CD24; Recombinant Human Signal Transducer CD24/CD24 (C-mFc); Signal transducer CD24; Small cell lung carcinoma cluster 4 antigen; CD24; CD24A; CD24/CD24 active protein

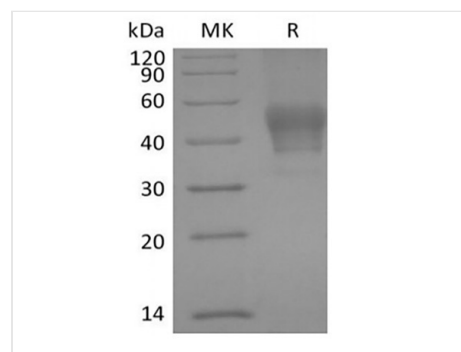
PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4.
Sequence	Ser27-Gly59
Species	Human
Tag	C-mFc
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Human Signal Transducer CD24 is produced by our Mammalian expression system and the target gene encoding Ser27-Gly59 is expressed with a mFc tag at the C-terminus.
Activity	Immobilized Human CD24-mFc at 2ug/ml (100ul/well) can bind Anti-Human CD24 mAb . The ED50 of Anti-Human CD24 mAb is 10.1ng/ml.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



Bioactivity



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD24/CD24 active protein	Signal Transducer CD24 is a heavily and variably glycosylated GPI-linked sialoprotein. Human CD24 is expressed on B lineage cells and granulocytes, on epithelial, neuronal, and muscle cells, and on a range of tumor cells. CD24 expression is regulated during lineage development and with the activation of various cell types. Antibody crosslinking of CD24 enhances the induction of apoptosis in B and T lymphocytes which contributes to negative selection and the induction of immune tolerance. CD24 on antigen presenting cells cooperates with B7 molecules in the costimulation of T cells. CD24 associates in cis with Siglec10 and with the danger-associated molecules HMGB1, HSP70, or HSP90 which are released from necrotic or damaged cells. Formation of these ternary complexes fills a protective role: the resulting Siglec10 signaling inhibits inflammatory responses that are otherwise induced by extracellular DAMPs.
Product Categories/Family for CD24/CD24 active protein	Neuroscience; Cancer; immunology; metabolism; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	143811372
NCBI GeneID	100133941
UniProt Accession #	P25063; Q16257; Q53XS0
Molecular Weight	80
NCBI Official Full Name	Signal transducer CD24
NCBI Official Synonym Full Names	CD24 molecule
NCBI Official Symbol	CD24
NCBI Official Synonym Symbols	CD24A
NCBI Protein Information	signal transducer CD24; CD24 antigen (small cell lung carcinoma cluster 4 antigen)
UniProt Protein Name	Signal transducer CD24
UniProt Gene Name	CD24
UniProt Synonym Gene Names	CD24A
UniProt Entry Name	CD24_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/human-cells-active-protein/signal-transducer-cd24-cd24/177953>