

# Recombinant Human CD24 Protein, Fc-tagged

**Cat. No.** CD24-789H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human apiens CD24 molecule(CD24), transcript variant 1(NM_013230), with an human IgG1 Fc tag, was expressed in human cells.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a sialoglycoprotein that is expressed on mature granulocytes and B cells and modulates growth and differentiation signals to these cells. The precursor protein is cleaved to a short 32 amino acid mature peptide which is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface. This gene was missing from previous genome assemblies, but is properly located on chromosome 6. Non-transcribed pseudogenes have been designated on chromosomes 1, 15, 20, and Y. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Purified protein formulated in a sterile solution of TBS buffer, pH7.228, without any preservatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 30 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Endotoxin</b>        | Endotoxin level is < 0.1 ng/g of protein (<1EU /g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | >90% by SDS-PAGE gel and Coomassie Blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

protein-protein interaction studies.

## GENE INFORMATION

|                 |                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | CD24 CD24 molecule [ Homo sapiens ]                                                                                                           |
| Official Symbol | CD24                                                                                                                                          |
| Synonyms        | CD24; CD24 molecule; CD24 antigen (small cell lung carcinoma cluster 4 antigen); signal transducer CD24; CD24A; FLJ22950; FLJ43543; MGC75043; |
| Gene ID         | 100133941                                                                                                                                     |
| mRNA Refseq     | NM_013230                                                                                                                                     |
| Protein Refseq  | NP_037362                                                                                                                                     |
| MIM             | 600074                                                                                                                                        |
| UniProt ID      | P25063                                                                                                                                        |

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