

Datasheet for ABIN94184
anti-CD55 antibody (Biotin)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	0.1 mg
Target:	CD55
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD55 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	HPB-ALL human T cell line
Clone:	MEM-118
Isotype:	IgM
Specificity:	The antibody MEM-118 recognizes an epitope in SCR4 domain of CD55 (Decay accelerating factor, DAF), a 60-70 kDa glycosylphosphatidylinositol (GPI)-anchored single chain extracellular glycoprotein. CD55 is widely expressed on hematopoietic and on many non-hematopoietic cells, it is weakly present on NK cells.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

Target Details

Target:	CD55
Alternative Name:	CD55 (CD55 Products)
Background:	CD55 Molecule (Cromer blood group),CD55 (decay-accelerating factor, DAF) is a GPI-anchored membrane glycoprotein that protects autologous cells from classical and alternative pathway of complement cascade. Bidirectional interactions between CD55 and CD97 are involved in T cell regulation and CD55 can still regulate complement when bound to CD97. In tumours, besides protection against complement, CD55 promotes neoangiogenesis, tumorigenesis, invasiveness and evasion of apoptosis.,DAF, CROM, CHAPLE
Gene ID:	1604
UniProt:	P08174
Pathways:	Complement System , Regulation of Leukocyte Mediated Immunity

Application Details

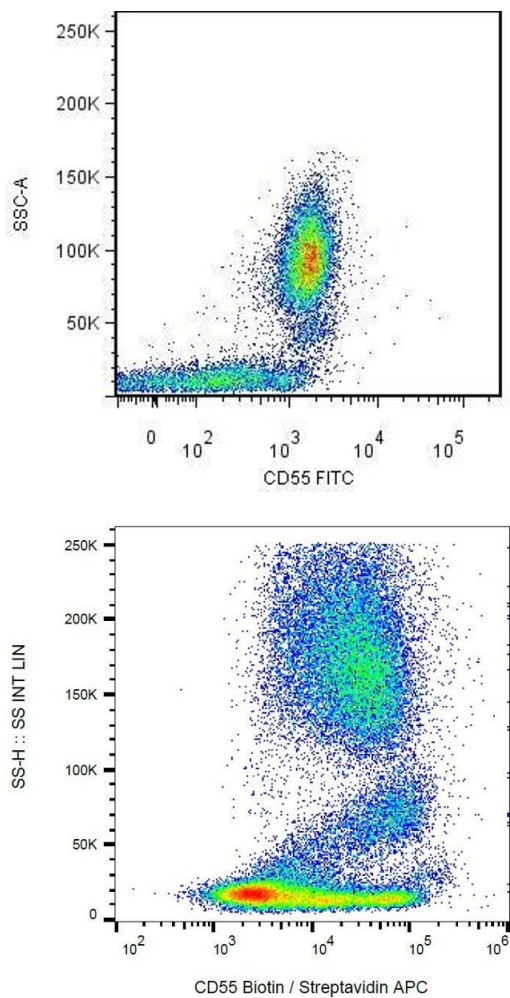
Application Notes:	Flow cytometry: Recommended dilution: 5-8 µg/mL.
Comment:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Product cited in: Angelisová, Drbal, Horejsí, Cerný: "Association of CD10/neutral endopeptidase 24.11 with membrane microdomains rich in glycosylphosphatidylinositol-anchored proteins and Lyn kinase." in: **Blood**, Vol. 93, Issue 4, pp. 1437-9, (1999) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Surface staining of human peripheral blood leukocytes by mouse monoclonal anti-CD55 antibody MEM-118 .

Flow Cytometry

Image 2. Surface staining of human peripheral blood cells with anti-CD55 (MEM-118) biotin / streptavidin-APC.