

Monoclonal Antibody to CD328 / SIGLEC7 - FITC

Alternate names:	AIRM1, Adhesion inhibitory receptor molecule 1, CDw328, D-siglec, QA79 membrane protein, Sialic acid-binding Ig-like lectin 7, Siglec-7, p75
Catalog No.:	AM05592FC-N
Quantity:	0.1 mg
Concentration:	0,1 mg/ml
Background:	<p>CDw328 is a type I transmembrane glycoprotein and member of the Siglec (sialic acid binding Ig-like lectin) family, designated Siglec-7, originally identified as an inhibitory NK cell receptor (NKR) and negative regulator of NK activation, attributed to ITIM recruitment of SHP-1 phosphatase.</p> <p>CDw328 is expressed predominantly by natural killer cells (NK) and to a lesser extent by monocytes and granulocytes and, like Siglec-5 (CD170), has been shown to bind to sialylated ligands of targets through recognition of sialic acid in both the alpha-2,3- and alpha-2,6- glycosidic linkage.</p>
Uniprot ID:	Q9Y286
NCBI:	NP_055200.1
GeneID:	27036
Host / Isotype:	Mouse / IgG1
Clone:	5-386
Immunogen:	Monocyte-derived dendritic cells
Format:	<p>State: Liquid purified IgG</p> <p>Purification: Affinity chromatography on Protein G</p> <p>Buffer System: Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide (NaN₃) and 1% Bovine Serum Albumin</p> <p>Label: FITC – Fluorescein Isothiocyanate Isomer 1</p>
Applications:	<p>Flow Cytometry: 1/10.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody is specific for CDw328.</p> <p>Species: Human.</p> <p>Other species not tested.</p>
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.</p> <p>This product is photosensitive and should be protected from light.</p> <p>Shelf life: one year from despatch.</p>

Caution:

(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

General Readings:

1. Falco M, Biassoni R, Bottino C, Vitale M, Sivori S, Augugliaro R, et al. Identification and molecular cloning of p75/AIRM1, a novel member of the sialoadhesin family that functions as an inhibitory receptor in human natural killer cells. *J Exp Med.* 1999 Sep 20;190(6):793-802. PubMed PMID: 10499918.
2. Nicoll G, Ni J, Liu D, Klenerman P, Munday J, Dubock S, et al. Identification and characterization of a novel siglec, siglec-7, expressed by human natural killer cells and monocytes. *J Biol Chem.* 1999 Nov 26;274(48):34089-95. PubMed PMID: 10567377.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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