

Rat anti-CD66aCD, clone YTH71.3 (Monoclonal)

Clone no. YTH71.3

MONOSAN

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Product name	Rat anti-CD66aCD, clone YTH71.3 (Monoclonal)
Host	Rat
Applications	IHC-P,FC,IHC-fr
Species reactivity	human,rhesus monkey
Conjugate	Purified
Immunogen	Human lymphocytes
Isotype	IgG2a
Clonality	Monoclonal
Clone number	YTH71.3
Size	0.2 mg
Concentration	1.0 mg/ml
Format	-
Storage buffer	PBS with 0.09% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Rat anti Human CD66acd antibody, clone YTH71.3 recognizes 3 members of the human CD66 family, namely CD66a, also known as Carcinoembryonic antigen-related cell adhesion molecule 1, Biliary glycoprotein 1 or CEACAM1. Clone YTH71.3 also recognizes CD66c, known as Carcinoembryonic antigen-related cell adhesion molecule 6 or Non-specific crossreacting antigen. In addition the clone also recognizes CD66d which in turn is also known as Carcinoembryonic antigen-related cell adhesion molecule 3 or CGM1 (Watt et al. 1991). CD66 family members are single pass, type 1 membrane glycoproteins bearing a single V-type Ig-like domain and a varying number of C2-type Ig-like domains. Clone YTH71.3 recognizes epitopes in the N-terminal domain of these CD66 family members. CD66 members are expressed by human neutrophils and cells of the colon where it is down regulated in some cases of colon carcinoma (Neumaier et al. 2012). CD66a is also expressed in the human alveolar adenocarcinoma cell line A549 and may play a role in Moraxella catarrhalis induced apoptosis of pulmonary epithelial cells in diseases including COPD and emphysema (N'Guessan et al. 2007).

**References**

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