# **Technical Data Sheet Purified Mouse Anti Human CD46**

Product Information	
Material Number:	555948
Alternate Name:	MCP
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	E4.3
Isotype:	Mouse IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	IV N24
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

### Description

Reacts with membrane cofactor protein (MCP), a type I membrane glycoprotein composed of two non-disulfide linked a (66 kDa) and β(56 kDa) chains expressed on lymphocytes, monocytes and granulocytes. It is not expressed on erythrocytes or platelets. There are four isoforms of the dimer which function as complement regulatory factors. CD46 promotes the enzymatic degradation of activated C3b and/or C4b deposited on host cells. It also serves as the measles virus receptor.



Profile peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA).

## **Preparation and Storage**

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

## **Application Notes**

Application						
Flow cytometry	Routinely Tested					
Fluorescence microscopy	Tested During Development					

## **Suggested Companion Products**

Catalog Number	Name	Size	Clone
555571	Purified Mouse IgG2a, κ Isotype Control	0.1 mg	G155-178
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

## **BD Biosciences**

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## **Product Notices**

- 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- 2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

#### References

Knapp W, Dorken B, Rieber EP, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989.(Clone-specific) Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Biology) Kurita M, Yanagi Y, Hara T, Nagasawa S, Matsumoto M, Seya T. Human lymphocytes are more susceptible to measles virus than granulocytes, which is attributable to the phenotypic differences of their membrane cofactor protein (CD46). *Immunol Lett.* 1995; 48(2):91-95.(Biology)