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10-4203: Monoclonal antibody to CD46 (Clone: TRA-2-10)

Clonality :	Monoclonal
Clone Name :	TRA-2-10
Application :	IP,ELISA,FACS
Reactivity :	Human
Gene :	CD46
Gene ID :	4179
Uniprot ID :	P15529
Format :	Purified
Alternative Name :	TLX, Trophoblast leukocyte common antigen, MCP, MIC10
Isotype :	Mouse IgG1
Immunogen Information :	Human embryonal carcinoma cell line 2102Ep was used as the immunogen for this antibody.

Description

CD46 is a transmembrane protein that serves several functions, including as a complement membrane cofactor protein (MCP) and a receptor to the measles virus. CD46 is widely expressed on leukocytes, platelets, epithelial cells, and fibroblasts. There are multiple reported isoforms of CD46 with molecular weights ranging from 45 to 75 kD. The CD46 protein binds and inactivates the complement components C3b and C4b and ahs also been reported to play a role in T cell regulation. In addition, CD46 has been shown to interact with other proteins, including moesin, c-SRC, tetraspanin 4, c-Yes, and integrin β1. CD46 also acts as a cellular receptor for human herpes virus-6 and human measles virus, in addition to other pathogens such as *Streptococcus pyogenes.* Defective CD46 has been associated with hemolytic-uremic syndrome.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

FACS: 0.5 µg /10^6 cells, RIA, IP, ELISA

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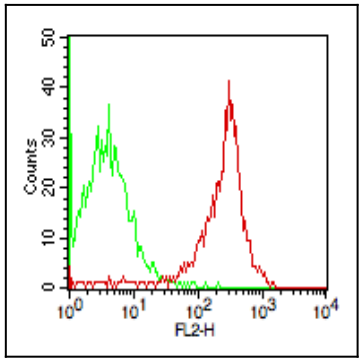


Figure 1: Cell surface staining of PBMC using anti-CD46 antibody (10-4203). Green histogram: Isotype control. Red histogram: anti-CD46 antibody. Goat anti-mouse PE was used as secondary antibody. 0.5 µg antibody was used.

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