

## cFluor<sup>®</sup> V420 Anti-Human CD9 (HI9a)

PRODUCT DETAILS	
<b>Catalog Number:</b>	R7-20099 (100 tests) R7-20100 (25 tests)
<b>Reactivity:</b>	Human, African Green, Baboon, Cattle (Bovine, Cow), Cynomolgus, Dog (Canine), Horse (Equine), Rabbit (Lapine), Rhesus, Sheep (Ovine)
<b>Clone:</b>	HI9a
<b>Format:</b>	cFluor <sup>®</sup> V420
<b>Isotype:</b>	Mouse IgG1, κ
<b>Volume Per Test:</b>	5 µL / test
<b>Application:</b>	Flow cytometry
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% BSA (Origin USA)
<b>Storage:</b>	2-8°C and protected from light. <b>Do not freeze</b>

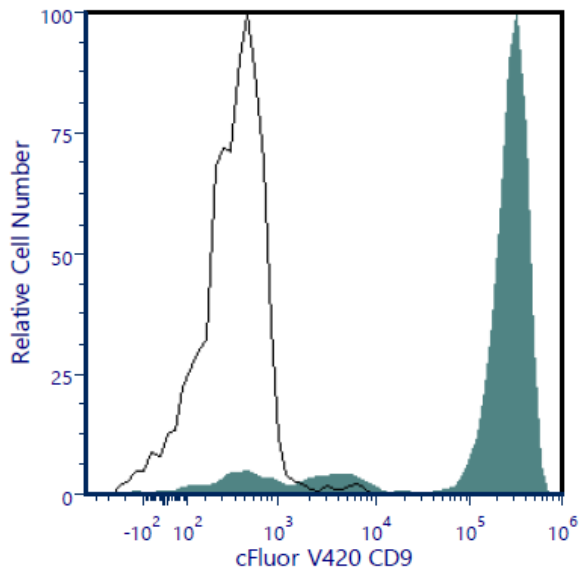
### PRODUCT DESCRIPTION

The HI9a monoclonal antibody binds to human CD9, a 24-kDa type III transmembrane glycoprotein. CD9, also known as tetraspanin, MRP-1, and DRAP-24, is a member of the tetraspanin family that is expressed on platelets, endothelial and epithelial cells and all major subsets of leukocytes including B cells, CD4+ T cells, CD8+T cells, NK cells, granulocytes, monocytes, macrophage<sup>(1)</sup>. CD9 plays a role in diverse cellular processes including cellular adhesion, migration, platelet aggregation and B cell development<sup>(2)(3)</sup>. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

### RECOMMENDED USAGE

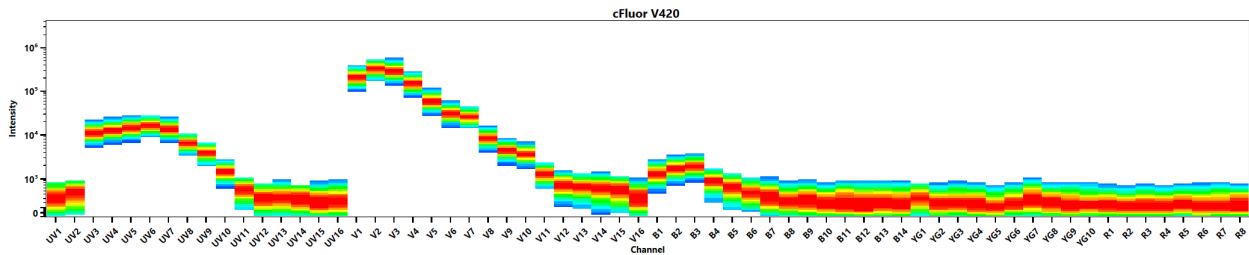
Each lot of this antibody is quality control tested using flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per 1 million cells in a staining volume of 100 µL. If whole blood is analyzed, then use 5 µL per 100 µL. It is recommended that users titrate the antibody to obtain the optimal result for their specific application.

PRODUCT DATA



Human peripheral blood was stained with cFluor® V420 Anti-Human CD9 (clone SK3) (filled histogram) or cFluor® V420 mouse IgG1, κ isotype control (open histogram). Data shown is gated on platelets.

Spectral signature of cFluor® V420 from a Cytek® Aurora 5 laser system equipped with 355 nm, 405 nm, 488 nm, 561 nm and 640 nm lasers using CytekAssaySettings.



REFERENCES

1. Reyes, Raquel et al. 2018. *Frontiers in immunology* vol. 9 863. 30
2. Machado-Pineda, Yesenia et al. 2018. *Frontiers in immunology* vol. 9 2474
3. Masellis-Smith A, et al. 1994. *J Immunol.* 152(6):2768-77

**For Research Use Only. Not intended for use in diagnostic procedures.**