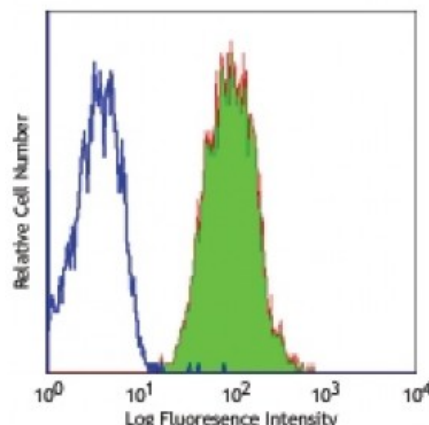


Alexa Fluor® 488 anti-human CD147

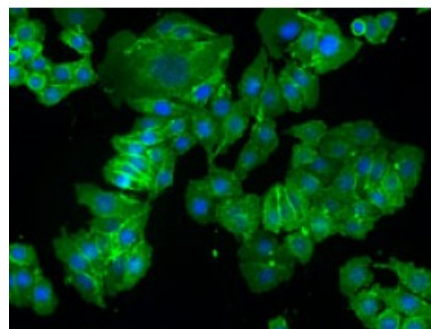
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|--------------------------|--|
| Catalog # / Size: | 2131035 / 25 tests |
| Clone: | HIM6 |
| Isotype: | Mouse IgG1, κ |
| Immunogen: | Human PBMCs |
| Reactivity: | Human |
| Preparation: | The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions. |
| Formulation: | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA). |
| Workshop Number: | VI N-L109 |
| Concentration: | Lot-specific |



Human peripheral blood lymphocytes stained with HIM6 Alexa Fluor® 488

Applications:

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| Applications: | Flow Cytometry |
| Recommended Usage: | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. For immunofluorescence microscopy, a concentration range of 5-10 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application. |



HeLa cells were fixed with 1% paraformaldehyde (PFA) and then stained with 10 microg/ml of anti-human CD147 (clone HIM6) Alexa Fluor® 488 (green) for 3 hours at room temperature. Nuclei were counterstained with DAPI (blue). The image was captured by

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| Application Notes: | Additional reported applications (for the relevant formats) include: inhibition of T cell activation ² , immunohistochemical staining ^{1,3} of frozen tissue sections and formalin-fixed paraffin-embedded tissue sections, and Western blotting ¹ . The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 306206). |
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|--------------------------------|---|
| Application References: | <ol style="list-style-type: none"> 1. Menashi S, <i>et al.</i> 2003. <i>Cancer Res.</i> 63:7575. (WB IHC) 2. Woodhead VE, <i>et al.</i> 2000. <i>Int. Immunol.</i> 12:1051. (Block) 3. Reimers N, <i>et al.</i> 2004. <i>Clin. Cancer Res.</i> 10:3422. (IHC) 4. Menck K, <i>et al.</i> 2015. <i>J Mol Cell Biol.</i> 7:143. PubMed 5. Naito T, <i>et al.</i> 2015. <i>J Biol Chem.</i> 290:150004. PubMed |
|--------------------------------|---|

Description: CD147, also known as neurothelin or basigin, is a member of the Ig superfamily. It is a 55-65 kD type I transmembrane glycoprotein which is primarily expressed on leukocytes, erythrocytes, platelets, and endothelial cells. CD147 is reported to have a function during embryonal brain development and/or play a role in integrin-mediated adhesion in brain endothelia.

Antigen
References:

1. Biswas C, *et al.* 1995. *Cancer Res.* 55:434.
2. Fadool J, *et al.* 1993. *Dev. Dyn.* 196:252.
3. Felzmann T, *et al.* 1991. *J. Clin. Immunol.* 11:205.