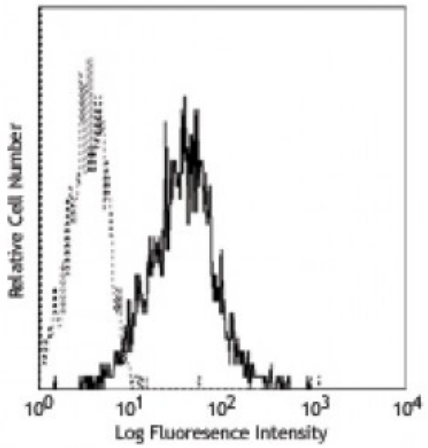
SONY

Product Data Sheet

Purified anti-human CD147

Catalog # / Size:	2131010 / 100 µg
Clone:	HIM6
Isotype:	Mouse IgG1, κ
Immunogen:	Human PBMCs
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	VI N-L109
Concentration:	0.5



Human peripheral blood lymphocytes stained with purified HIM6, followed by anti-mouse IgG FITC

Applications:

Applications:	Other
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 ≤ 0.5 microg per 10^6 cells in 100 microL volume or 100 microL of whole blood. For immunohistochemical staining on formalin-fixed paraffin-embedded tissue sections, the suggested use of this reagent is 0.5 - 10.0 microg per ml. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Additional reported applications (for the relevant formats) include: inhibition of T cell activation2, immunohistochemical staining[1,3] of frozen tissue sections and formalin-fixed paraffin-embedded tissue sections, and Western blotting1. The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 306206).

Application References:

1. Menashi S, *et al.* 2003. *Cancer Res.* 63:7575. (WB IHC)
2. Woodhead VE, *et al.* 2000. *Int. Immunol.* 12:1051. (Block)
3. Reimers N, *et al.* 2004. *Clin. Cancer Res.* 10:3422. (IHC)
4. Sing H, *et al.* 2015. *Mol Hum Reprod.* 21:81. 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.

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