

Technical Data Sheet

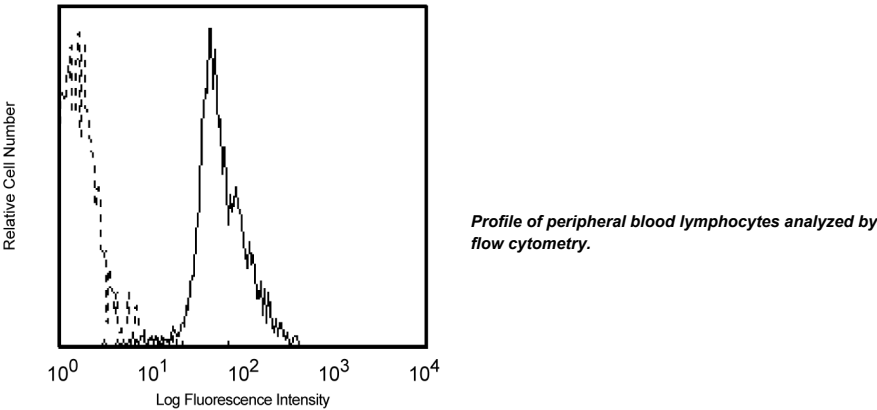
Purified Mouse Anti-Human CD147

Product Information

Material Number:	555961
Alternate Name:	Neurothelin
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	HIM6
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	VI NL109
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with neurothelin, a transmembrane glycoprotein (30-50 kDa) of the immunoglobulin super-gene family. Neurothelin, a blood-brain barrier-specific molecule, was clustered as CD147 in the Vth Human Leukocyte Differentiation Antigen (HLDA) workshop. It bears homology with mouse gp42 or basigin, human "M6" or "EMMPRIN", rat OX-47 or CD-9, and avian HT7 or 5A11. Neurothelin is a molecule which is broadly expressed on cells of hematopoietic and non-hematopoietic origin. Its expression on specific cell types may be regulated by cytokines. CD147 plays a role in embryonal blood-brain barrier development and a role in integrin-mediated adhesion in brain endothelia.



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
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

Product Notices

- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- 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.

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