



Recombinant Version of Classic Clone

Cat nr AE00326

Product Datasheet

Rabbit Recombinant Antibody, 17B1.3R to:

B7-H6, NCR3LG1

Natural cytotoxicity triggering receptor 3 ligand 1; natural killer cell cytotoxicity receptor 3 ligand 1; B7 homolog 6; B7H6; B7-H6; DKFZp686O24166

Cellular localization Cell membrane

Official Symbol (Gene) NCR3LG1
GenelD 374383
SwissProt Q68D85

Confirmed Applications FC, ICC, blocking
Positive controls HeLa, K562, tumours, IL-1 β activated CD45+CD14+ monocytes
Aeonian Rating© 90

Purification By Protein A from bioreactor concentrate

Formulation 1 mg IgG/ml in PBS with 0.02% Proclin 300

Amount 200ug 1000ug

Isotype Rabbit IgG, kappa, chimeric version of mouse IgG1 clone 17B1.3

Confirmed species reactivity Human

Immunogen Recombinant soluble B7-H6 (aa25-262)

Epitope aa 74–115, away from the NKp30 receptor binding site (Xu et al)

Storage instructions Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.

Expiration Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.

Warranty This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.

Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

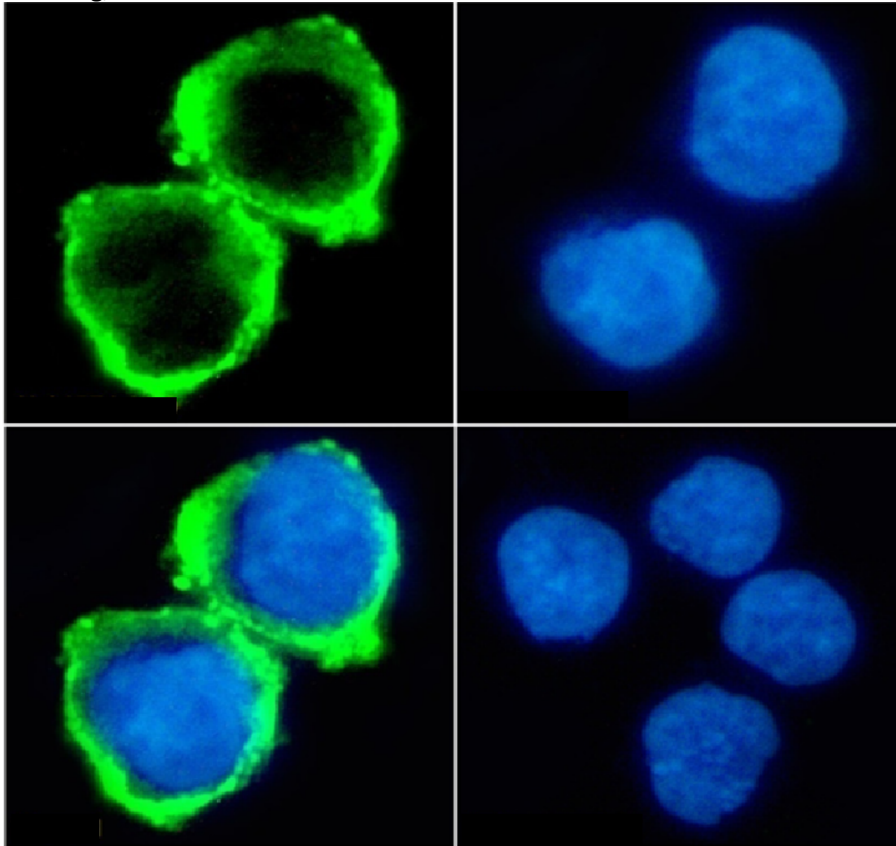
Product performance see next pages

Product data:

Immunoassays

ImmunoCytoChemistry (ICC):

This product was successfully used to stain the cellular membrane in K562. Recommended concentration: 5-15ug/ml



Confocal microscopy of PFA-fixed K562 cells stained with B7-H6 Rabbit Recombinant Antibody AE00326 at 10ug/ml for 1h at RT. Detection by CF488 (green) for the antibody and DAPI (blue) for nuclear staining. Bottom right shows staining with an isotype control antibody.

Flow Cytometry (FC):

The original clone 17B1.3 was successfully used on PBMCs, gated for CD45+CD14+CD19-CD3- monocytes from sepsis patients, and on CD45+CD14+ monocytes stimulated by IL-1 β .

Matta J, Baratin M, Chiche L, Forel JM, Cognet C, Thomas G, Farnarier C, Piperoglou C, Papazian L, Chaussabel D, Ugolini S, Vély F, Vivier E. Induction of B7-H6, a ligand for the natural killer cell-activating receptor NKp30, in inflammatory conditions. *Blood*. 2013 Jul 18;122(3):394-404. doi: 10.1182/blood-2013-01-481705. PMID: 23687088.

Biological activity

Blocking activation of NKp30+ DOMsp30 reporter cells:

The original clone 17B1.3 was successfully used to block the CD45+CD14+ monocytic activation of NKp30 cells.

Matta J, Baratin M, Chiche L, Forel JM, Cognet C, Thomas G, Farnarier C, Piperoglou C, Papazian L, Chaussabel D, Ugolini S, Vély F, Vivier E. Induction of B7-H6, a ligand for the natural killer cell-activating receptor NKp30, in inflammatory conditions. *Blood*. 2013 Jul 18;122(3):394-404. doi: 10.1182/blood-

17B1.3-specific most recent literature:

Xu X, Narni-Mancinelli E, Cantoni C, Li Y, Guia S, Gauthier L, Chen Q, Moretta A, Vély F, Eisenstein E, Rangarajan S, Vivier E, Mariuzza RA. Structural Insights into the Inhibitory Mechanism of an Antibody against B7-H6, a Stress-Induced Cellular Ligand for the Natural Killer Cell Receptor NKp30. *J Mol Biol*. 2016 Nov 6;428(22):4457-4466. doi: 10.1016/j.jmb.2016.09.011. PMID: 27663271.