

Certificate of Analysis

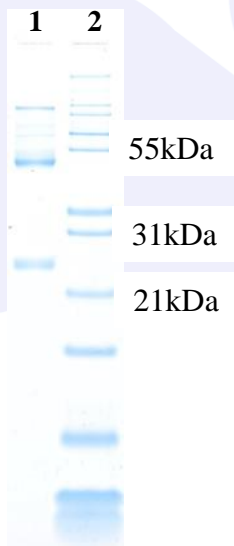
Product:	Donkey anti-Rat IgG (H&L) – DyLight® 488 Conjugate
Part Number:	DkxRt-003-D488NHSX
Lot Number:	77-91-081621
Amount:	1.0 mg of antibody lyophilized (E ^{1%} at 280 nm = 13.0) (Product has been overfilled to ensure maximum recovery)
Fluorophore:	DyLight® 488 NHS Ester Ex = 493 nm; Em = 518 nm
Fluor/Protein Ratio:	5.9 Moles DyLight® 488 per Mole Antibody
Purification:	Antibody was affinity purified using solid phase Rat IgG
Purity:	Affinity purified antibody is ≥ 95% based on SDS-PAGE
Host:	Donkey
Immunogen:	Purified Rat IgG, whole molecule
Buffer:	10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free
Preservative:	0.05 % (w/v) Sodium Azide
Reconstitution:	Rehydrate with 1.1 ml of deionized water. Prepare fresh working dilution daily.
Storage:	Store freeze dried powder at 2-8°C.
Shelf Life:	Product is stable for up to 4 weeks at 2-8°C after rehydration. For extended storage after rehydration, add an equal volume of glycerol and store at -20°C.
Specificity:	Based on IEP, this antibody reacts with: <ul style="list-style-type: none">• heavy (γ) chains on rat IgG• light chains on all rat immunoglobulins
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">• non-immunoglobulin rat serum proteins
Country of Origin:	Donkey antiserum was obtained from healthy animals of US origin and under the care of a registered veterinarian.
Note:	Conjugate prepared using Part # DkxRt-003-D, lot # 68-30-010919.
Applications:	This conjugate is suitable for immunomicroscopy and flow cytometry. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s): <ul style="list-style-type: none">• 1:20 – 1:2,000 for most applications
Disclaimer:	<i>For in vitro Laboratory Use Only.</i> Not for diagnostic or therapeutic use. Not for human or animal consumption. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license under any patent of ImmunoReagents, Inc. Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

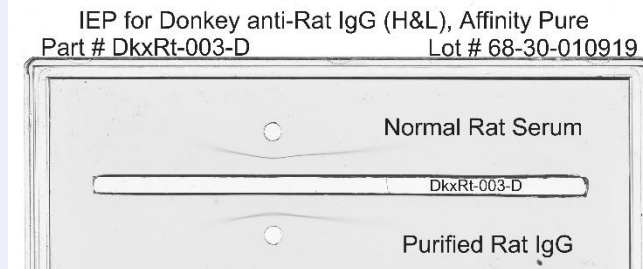
PRODUCT: Donkey anti-Rat IgG (H&L) – DyLight® 488 conjugate
PART NUMBER: DkxRt-003-D488NHSX
LOT NUMBER: 77-91-081621

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, bright fluorescent yellow	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on rat IgGlight chains on all rat immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none">non-immunoglobulin rat serum proteins	PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of DyLight® conjugate when tested against rat IgG coated at 4 μ g/ml	1883 MFI's

SDS PAGE



Immunoelectrophoresis (IEP)



- 1) DkxRt-003-D, Lot # 68-30-010919
- 2) Mol Weight Standard

Date: September 1, 2021

Signature: 
Quality Control